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* Indicates that reports in the BIOS, CIOS and FIAT series are deposited in the Library of Congress Depository Libraries. For a complete list of these libraries, see page facing page 1, volume 5, of this Bibliography.

Complete series list appears in Government Document Series analyzed by the Office of Technical Services. This publication, PB 58101, may be obtained from O.T.S. Price: 25¢ mimeographed.

The following two reports have been published by Research Information Service, 509 Fifth Avenue, New York 17, N.Y., and are available for the prices stated:

PB 2453 (v. 1, p. 227), Fabric finishing operations for cotton and viscose at "Bleicherex Uhingen," Germany, by Walter Eustis - $1.50;

PB 61085 (v. 5, p. 307), Interrogation of Herr Trennier of Voigtlander Co., by G. S. Speak and D. J. Walters - $1.50

Dyes

PB L 74024. I.G. FARBENINDUSTRIE A.G. Information as the production of the dye departments at Leverkusen, Offenbach, Mainkur, Höchst, and Wolfen. (FIAT Microfilm Reel CC 80, Frames 1-947) 947 f. n. d. Price: Microfilm-$6.00 - Enlargement print-$95.00
This FIAT microfilm reel consists of answered questionnaires concerning the production of about 400 dyes of the azo, alizarine, indanthrene, aniline and sulfur dye groups. These dyes were produced at the above plants. For each product, information is given as to its chemical constitution, its principal uses; equipment, materials and power used in the production; byproducts, if any; other processes (if any) on which production depends; and a short description of the production process and of control reactions. While all this information is in English, the English sometimes is not perfect.

PB L 74025. I.G. FARBENINDUSTRIE A.G. Information on the production of the dye departments at Höchst, Leverkusen, Wolfen, Mainkur, and Offenbach. (FIAT Microfilm Reel CC 81, Frames 948-2040) 1946. 1093 f. Price: Microfilm-$6.00 - Enlargement print-$109.50
The beginning of this FIAT microfilm reel (Frames 948-1023) completes the answered questionnaires concerning dye production, in English, as described in PB 74024. The remainder of the reel consists of process descriptions, in German, for about 1000 dyes and intermediates for dyes produced at Leverkusen. The dyes dealt with belong to the azo triphenyl methane, alizarin, and indanthrene groups.

PB L 74026. I.G. FARBENINDUSTRIE A.G. Instructions for the production of various dyes at Leverkusen, Krefeld-Uerdingen, Offenbach, and Mainkur. (FIAT Microfilm Reel CC 82, Frames 2041-3149) 1931-1946. 1109 f. Price: Microfilm-$6.00 - Enlargement print-$111.00
This FIAT microfilm reel contains producing instructions for the production of azo, triphenyl methane, anthraquinone, indanthrene, and sulfur dyes, and their intermediates. These instructions are in German but in many cases have been supplemented by flow sheets in English, which illustrate the processes further and give details as to the amounts of ingredients used.

PB L 74027. I.G. FARBENINDUSTRIE A.G. Instructions for the production of various dyes at Offenbach and Höchst. (FIAT Microfilm Reel CC 83, Frames 3150-3758) 1933-1943. 609 f. Price: Microfilm-$6.00 - Enlargement print-$61.00
This FIAT microfilm reel contains instructions for the production of aniline and sulfur dyes and their intermediates. While these instructions are in German, in many cases flow sheets made out in English have been added.

PB L 25626. I.G. FARBENINDUSTRIE A.G. Methods for the production of dyestuffs, as disclosed through T.E.A. Büro documents. (Continued from Reel C 185, PB 25625) (FIAT Reel C 186 (Frames 1101-2207) 16 mm microfilm) 1932-1939. 1107 f. Price: Microfilm-$6.00 - Enlargement print-$111.00
This FIAT microfilm reel contains directions for the production of about 400 azo, indanthrene, and other dyes. In some cases drawings are added. Some of the descriptions are not well legible and will reproduce poorly. The descriptions are all in German.

PB L 25627. I.G. FARBENINDUSTRIE A.G. Methods for production of dyestuffs, as disclosed through T.E.A. Büro documents. (Continued from Reel C 186, PB 25626) (FIAT Microfilm Reel C 187 (Frames 2208-3301) 16 mm microfilm) 1929-1940. 1138 f. Price: Microfilm-$6.00 - Enlargement print-$114.00
This reel is a continuation of PB 25626. It contains similar directions for producing indanthrene and other dyes and dye intermediates. Some drawings are included. Most of the descriptions are in German. Some, however, in English. In some cases legibility is poor.

PB L 25628. I.G. FARBENINDUSTRIE A.G. Methods for production of various dyes. (FIAT Microfilm Reel C 188, Frames 3302-4335) 1928-1937. 1090 f. Price: Microfilm-$6.00 - Enlargement print-$109.00
This reel continues PB 25627. It contains directions for producing various dyes. Some of the directions (originating with General Aniline Co.) are in English, others in German. A number of drawings are included. Much of the material on this reel is nearly illegible.

PB L 74199. I.G. FARBENINDUSTRIE A.G., OFFENBACH. Drawings of equipment for the production of dyes. (BIOS Microfilm F.D. 2728/46; (S.O. 389/47), Frames 1-65) 1938. 348 f. Price: Microfilm-$4.25 - Enlargement print-$35.00
This BIOS microfilm reel represents a document which consists of 14 folders containing dimensioned ferro-prints referring to plant used in the production of azoics and intermediate products at I.G. Farbenindustrie A.G. at Offenbach. These prints relate to the following: Experimental plant (5 drawings). Folder D 18 - D 22; Hydraulic press for nitrosamines (2 drawings). Folder D 23 - D 24; Centrifuge (2 drawings). Folder D 25 - D 26; Thermometer wells (3 drawings). Folder D 27/28/29; Fast salt pans (2 drawings). Folder D 34 - D 35; Dryers (5 drawings). Folder D 36 - D 40; Grinding mills (4 drawings). Folder D 41 - D 44; Mixers (2 drawings). Folder D 45 - D 46; Plant for production of naphthols (13 drawings). Folder D 47 - D 59; Plant for toluol purification (4 drawings). Folder D 60 - D 63; Condensers (3 drawings). Folder D 64/65/66; Miscellaneous plant including an activated carbon absorber for toluol (4 drawings). Folder D 67 - D 70; Pans for fast salts and nitrosamines (10 drawings). Folder D 8 - D 17; Plant lay-out (7 drawings). Folder D 1 - D 7. Part of the material may not reproduce well.

PB L 74202. I.G. FARBENINDUSTRIE A.G., FRANKFURT. Reports on dyes. (BIOS Microfilm F.D. 2730/46; (S.O. 142/47), Frames 1-128) 1933-1943. 128 f. Price: Microfilm-$2.25 - Enlargement print-$13.00
This BIOS microfilm reel consists of items in the field of dyes. Instructions for the production of various Naphtha AS dyes and their intermediates are given including standards of their properties. Legibility is poor in parts.

PB L 74200. I.G. FARBENINDUSTRIE A.G., OFFENBACH. Reports on dyes. (BIOS Microfilm F.D. 2732/46; (S.O.

146/47). Frames 1-189) 1937-1943. 189 f. Price: Microfilm-$2.75 - Enlargement print-$19.00
This BIOS microfilm reel consists of items in the field of dyes. The individual documents describe processes and detailed directions for the preparation of various fast dyes of the diazo group. Analytical data are included in most of the documents. Part of the material may not reproduce well.

PB L 74201. I.G. FARBENINDUSTRIE A.G., FRANKFURT. Reports on dyes. (BIOS Microfilm F.D. 2776/46; (S.O. 299/47). Frames 1-135) 1943-1945. 135 f. Price: Microfilm-$2.25 - Enlargement print-$13.50
This BIOS microfilm reel consists of items in the field of dyes and dye intermediates. They describe processes for the preparation of dyes and dye intermediates, particularly of the naphthalene group, and drawings of apparatus used are presented. Part of the documents may not reproduce well.

PB L 74197. I.G. FARBENINDUSTRIE A.G. Reports on dyes and dye intermediates. (BIOS Microfilm F.D. 235/47; (S.O. 1801/47). Part I. Frames 1-868) 1931-1940. 868 f. Price: Microfilm-$6.00 - Enlargement print-$87.00
This document consists of 13 folders containing data, ferroprints and diagrams connected with the production of dyestuffs and intermediate products. A preliminary list of the dyes referred to in the document has already been issued under the number F. D. 235/47. Each folder is marked BIOS/DOCS. 1440/1122. A. B. C. etc. The reader is also referred to F. D. 259/47. F. D. 2537/46 and BIOS Final Report No. 1157. The following details are given: Triphenyl methane dyes: Processes are described for the manufacture of 5 such dyes, giving details of chemical formulae, plant and raw materials used, etc. Direct dyes: Processing details of 3 such dyes are given. By the mixing of these 3 colors and, in some cases, by adding Benzo Rein Blau 9 different colors are obtained. Acid dyes: Details of preparation of a variety of 20 such dyes are given. Chrome dyes: Similar details are given for 5 chrome dyes. Acetate silk dyes: Processing details are given for 3 such dyes. Miscellaneous dyes: Similar details are given for 9 miscellaneous dyes. 1937-1938 Production figures for triphenyl methane dyes: These data include chemical formulae for each set of colors. Azo dyes: Formulas and processing details are given for 45 such dyes. Azo dyes for food coloring: The constituents are given of 15 azo dyes used for food coloring. Inflammable products: A classification of certain colors is given with reference to their suitability for grinding, entitled "Feuergefährliche Produkte" (Inflammable products). Igenal and azo dyes: A list for the most important azo dyes manufactured at Leverkusen is furnished (including those for wool and cotton) with their constituents and a similar list for the igenal dyes. Analysis of products: Methods for the analysis of 13 such products are given. Standards: 16 photostat pages of standards (Normen) are given for 15 dyes. Benzene derivatives: Processes and ferro print flow sheets for the manufacture of 79 benzene intermediates are presented. Naphthalene derivatives: Processes for the manufacture of 48 naphthalene derivatives are given. Color formers: Processes for the manufacture of 13 miscellaneous products and color formers are given. List of dye intermediates made at Leverkusen: A complete list of dyes made at Leverkusen is furnished. Intermediates: Processes for the manufacture of 16 intermediates and 7 colors are given. Rubber and plastic linings, Höchst cements: The bundle contains literature and ferro prints of plant connected with plastic and rubber linings, Höchst cements, etc., as follows: A list of the composition of adhesives for artificial resins for plastic linings (for Vinidur-foil on metal, for Oppanol-ORG-foil on concrete, etc.) and data sheets on Oppanol-foil for linings, the manufacture and properties of rubber covering, the application of rubber to pipes or tubes, the removal of corrosion from used vessels before lining with rubber, different sorts of rubber, etc. There is also an eight-page list concerning the durability of Vinidur, Oppanol-O and -ORG-foils. Parts of the material may not reproduce well.

PB L 74198. I.G. FARBENINDUSTRIE A.G., LEVERKUSEN AND KREFELD-UERDINGEN. Reports on dyes and dye intermediates. (BIOS Microfilm Reel F.D. 235 A/47; (S.O. 1801/47) Part II. Frames 870-1182) 1939-1945. 312 f. Price: Microfilm-$4.00 - Enlargement print-$31.50
This BIOS microfilm reel contains items in the field of dye manufacture and production of adhesives. There are reports on processes for the preparation of dyes and dye intermediates of the anthracene, anthraquinone, carbazole, and aniline series, and lists containing the trade and chemical names of dyestuffs as well as drawings of dye manufacturing plants and apparatus. The adhesives the preparation of which is briefly described are those used for artificial resins for plastic linings. The respective reports are partly in English. Parts of the documents may not reproduce well.

PB L 73726. I.G. FARBENINDUSTRIE A.G., LUDWIGSHAFEN. Technical reports on dyestuffs, dye intermediates and methods for the analysis of organic chemicals. (FIAT Microfilm Reel G 21. Frames 1-868) 1924-1945. 868 f. Price: Microfilm-$6.00 - Enlargement print-$87.00
This FIAT microfilm reel for the most part (frames 1-500) deals with processes for dyes or dye intermediates. The remainder (501-868) contains instructions for analyses of various organic substances. Individual items will be available as enlargement prints only, as listed below. Please give PB and frame numbers when ordering an individual item. The items are in German.

Frames	Title	Price
1	Permanentrot b extra (Permanent Red B extra). Aug 20, 1937.	$1.50
2-14	Alizarinrotfabrikation (Manufacture of Alizarin red). Jun 25, 1930.	1.50
15-20	Indanthrenblau BC neu = 3.3'-Dichlor-N-dihydro-anthrachinonazin (New Indanthrene Blue BC = 3,3'-dichloro-N-dihydro-anthraquinoneazine). By Palm. Jul 11, 1935.	1.50
21-24	Indanthrenblau GCD = Monochlorindanthren (Indanthrene Blue GCD = monochloro-indanthrene). By Kirchner. Jul 3, 1936.	1.50
25-29	Indanthrenblau GC-teig = 3.3'.Dibrom-N-dihydro-anthrachinon-azin (Indanthrene Blue GC-paste = 3,3'-dibromo-N-dihydro-anthraquinone-azine). By Krause. Nov 15, 1932.	1.50
30-32	Indanthrenblau 3G-teig (Indanthrene Blue 3 G-paste). By Krause. Nov 29, 1932.	1.50
33-36	Indanthrenblau RS = N-dihydro-anthrachinon-azin (Indanthrene Blue RS = N-dihydro-anthraquinone-azine). By Schröder. Oct 23, 1945.	1.50
37-41	Indanthren-brillantblau 3G teig (Indanthrene Brilliant Blue 3 G paste). By Krause. Feb 6, 1934.	1.50
42-43	Indanthrenbrillantblau R teig (Indanthrene Brilliant Blue R paste). By Teller. Oct 23, 1945.	1.50
44-54	Indanthren-brillantgrün B pulver roh (Indanthrene brilliant Green B powder, crude). By Emmer. Dec 6, 1929.	1.50
55-57	Fw. Indanthrenbrillantgrün GG-teig (Fw Indanthrene Brilliant Green GG-paste). Jan 18, 1934.	1.50

58-61 Indanthrenbrillantviolett 3 B = monobrom-isobenzanthron (Indanthrene Brilliant Violet 3 B = monobromo-isobenzanthrone). By Kirchner. Feb 1, 1934. 1.50

62-64 Indanthrenbrillantviolett roh teig (Indanthrene Brilliant Violet crude paste). By Hensle? Jul 6, 1938. 1.50

65 Indanthrenbrillantviolett 4 R pulver fein (Indanthrene Brilliant Violet 4 R fine powder). Oct 31, 1945. 1.50

66-73 Indanthrengelb G teig = flavanthron (Indanthrene Yellow G paste = Flavanthrone). By Schneider. May 4, 1936. 1.50

74-77 Indanthrengoldorange G pulver roh und teig (Indanthrene Gold Orange G powder, crude and paste). Feb 1, 1934. 1.50

78-81 Indanthrengrau 3 B (Indanthrene gray 3 B). By Kirchner. Nov 25, 1938. 1.50

82-86 Indanthrenmarineblau G - pulver roh (Crude Indanthrene Navy Blue G powder). By Emmer. Jan 28, 1938. 1.50

87-89 Indanthrenorange 2 RT roh teig (Crude Indanthrene Orange 2 RT paste). Oct 26, 1932. 1.50

90-95 Indanthrenorange F 3 R teig = 1,2'-2,1'-dianthrachinonakridon (Indanthrene Orange F 3 R paste = 1,2'-2,1'-dianthraquinone-acridone). By Emmer and Hensle. Oct 30, 1929. 1.50

96-98 Indanthrenorange 4 R (Indanthrene Orange 4 R). By Kirchner. Mar 28, 1933. 1.50

99-101 Indanthren-rot GG (Indanthrene Red GG). By Andres? Feb 15, 1934. 1.50

102-106 Indanthren-rot RK-pulver roh = 2.1'-1.2'-naphtanthrakridon (Crude Indanthrene Red RK powder = 2,1'-1,2'-naphthanthracridone). By Emmer. Dec 14, 1935. 1.50

107-113 Indanthren-rotbraun R (Indanthrene Red Brown R). Dr. Schneider. May 3, 1935. 1.50

114-123 Indanthren-rotviolett RRK-pulver = trichloroanthrakridon (Indanthrene Red Violet RRK powder = trichloro-anthracridone). By Reindel. Feb 15, 1938. 1.50

124-128 Indanthrenschwarz roh teig = Bz-2-nitro-dibenzanthron (Crude indanthrene Black paste = Bz-2-nitro-dibenzanthrone). Dec 19, 1935. 1.50

129-133 Indanthrendirektschwarz RB pulver roh (Crude Indanthrene Direct Black RB powder). By Schneider. Mar 14, 1939. 1.50

134-135 Indanthren-bordo B = 1.1'-Diamino-2.2'-dianthrachinonyl-azin (Indanthrene Bordeaux B = 1,1'-diamino-2,2'-dianthraquinonyl-azine). By Krämer. Feb 4, 1946. 1.50

136-142 Indanthren-blaugrün FFB teig (Indanthrene Blue Green FFB paste). Apr 24, 1940. 1.50

143-154 Indanthren-olivgrün B teig (Indanthrene Olive Green B paste). By Hensle. Apr 29, 1937. 1.50

155-158 Indanthren-violett FFBN teig (Indanthrene Violet FFBN paste). Feb 15, 1934. 1.50

159-163 Indanthrenbrillantgrün FFB-pulver roh (Crude indanthrene Brilliant Green FFB powder). By Emmer. Aug 14, 1944. 1.50

164-171 Indanthren-Brillantrosa BBL teig = 4.3'.4'.5'.6'-pentachloranthrachinon - 2,1 (N) - 1,2' (N) - benzacridon (Indanthrene Brilliant Pink BBL paste = 4,3',4',5',6'-pentachloroanthraquinone-2,1 (N)-1,2'(N) - benzacridone). By Krause. Dec 9, 1931. 1.50

172-174 Indanthrenblau BCS bezw. dichlorazin (Indanthrene blue BCS or dichlorazine). Mar 1, 1934. 1.50

175 Indanthrenblau WBO - pulver (Indanthrene Blue WBO powder). Nov 1921. 1.50

176-182 Violanthron rein G (Violanthrone pure G). Sep 13, 1939. 1.50

183-186 Indanthren-olive GB pulver roh = 5'-benzoylamino-olivgrün B (Crude Indanthrene Olive GB powder = 5'-benzoylamino-Olive Green B). By Palm. Oct 16, 1936. 1.50

187-189 Indanthren-olive T-teig (Indanthrene Olive T paste). Jan 13, 1941. 1.50

190-192 Indanthrenblau 3 GF (Indanthrene Blue 3 GF). Sep 27, 1934. 1.50

193-198 Indanthrengelb 7 GK = 4-(p-chlorbenzol)-amido-1,9 anthrapyrimidine (Indanthrene Yellow 7 GK = 4-(p-chlorobenzoyl)-amino-1,9-anthrapyrimidine). Mar 15, 1935. 1.50

199-201 Indanthren-marineblau BF (Indanthrene Navy Blue BF). Jun 12, 1943. 1.50

202 Indanthren-türkisblau 3 GK (Indanthrene Turquoise Blue 3 GK). Jan 30, 1936. 1.50

203-206 Indanthrengelb 4 GK = 5-(2',5'-dichlorbenzoyl)-amido-1,9-anthrapyrimidin (Indanthrene Yellow 4 GK = 5-(2',5'-dichlorobenzoyl)-amino-1,9-anthrapyrimidine). By Schneider? Mar 16, 1939. 1.50

207-211 Indanthren-olivgrün GG = dichlor-5'-benzoyl-amino-olivgrün B (Indanthrene Olive Green GG = dichloro-5'-benzoyl-amino-Olive Green B). By Palm and Emmer. Dec 28, 1936. 1.50

212 Indanthren-rubin B (Indanthrene Rubine B). By Kinemer. Jun 16, 1937. 1.50

213-218 Indanthrenbrillantscharlach RK (Indanthrene Brilliant Scarlet RK). By Schneider. n.d. 1.50
Frame 213 is missing. The information on frames 214-218 is fairly complete.

Dyes (contd)

219-224 Indanthren-brillantgrün 3B (Indanthrene brilliant green 3 B). By Emmer and Ehrhardt. Dec 3, 1937. 1.50

225-228 Indanthrenblau CLG = C-(1.amino-4.benzoylamino-2-anthrachinonyl)-2'.3'-anthrachinonthiazol (Indanthrene Blue CLG = C-(1-amino-4-benzoylamino-2-anthraquinonyl)-2'.3'-anthraquinonethiazol). Jan 23, 1940. 1.50

229-233 Indanthrenblau CLB = C-(1-amino-4.(m-trifluormethylbenzoylamino)-2-anthrachinonyl)-2'.3'-anthrachinonthiazol (Indanthrene Blue CLB = C-(1-amino-4-(m-trifluoro-methylbenzoyl-amino)-2-anthraquinonyl)-2'.3'-anthraquinone thiazol). Jan 25, 1940. 1.50

234-240 Indanthrengrau 3 G = mono- + di-amino-dibenzanthron (Indanthrene Grey 3 G = mono + di-amino-dibenzanthrone). By Emmer. Nov 1, 1940. 1.50

241-244 Indanthren-marineblau RB = tetrachlor-dibenzanthron (Indanthrene Navy Blue RB = tetrachloredibenzanthrone). Aug 14, 1944. 1.50

245-247 Algolbordo RT pulver roh (Crude Algol Bordeaux RT powder). Nov 4, 1930. 1.50

248-251 FW Algolbraun BT teig (FW Algol Brown BT paste). By Kirchner. Feb 15, 1933. 1.50

252-257 Algol-gelb 8 G (Algol Yellow 8 G). By Krause. Apr 29, 1941. 1.50

258-264 Algol-gelb GC = anthrachinon-1.2.5.6-bis-phenylthiazol (Algol Yellow GC = anthraquinone-1.2.5.6-bis-phenylthiazole). By Emmer. Nov 22, 1938. 1.50

265-266 Algol-grau R (Algol Grey R). Apr 30, 1930. 1.50

267-268 Algolgelb GGC = μ,μ'.p.phenylen-di-1(S)2(N)anthrachinon thiazol (Algol Yellow GGC = mu, mu'-p-phenylene-di-1(S), 2(N)-anthraquinone-thiazole). Dec 20, 1941. 1.50

269-274 Algol-reinblau-B = Bz2.Bz½ -dimethoxy-isodibenzanthron (Algol Pure Blue B = Bz-2, Bz-2'-dimethoxy-isodibenzanthrone). By Emmer, and Ehrhardt. May 11, 1939. 1.50

275-280 Celliton-echtblaugrün B = 1.4-dioxäthylamino-5.8-dioxyanthrachinon (Celliton Fast Blue Green B = 1.4-dihydroxy-ethylamino-5.8-dihydroxyanthraquinone). By Hensle. Aug 4, 1937. 1.50

281-284 Celliton-echtblau B (Celliton Fast Blue B). Jan 26, 1934. 1.50

285-286 Celliton-echtrosa B (Celliton Fast Rose B). By Krause. Jan 31, 1934. 1.50

287-288 Celliton-echtrosa FF3B (Celliton Fast Rose FF3B). Jan 19, 1934. 1.50

289-292 Celliton-echtrotviolett R = 1.4-diaminoanthrachinon (Celliton Fast Red Violett R = 1.4-diaminoanthraquinone). Feb 16, 1934. 1.50

293-294 Celliton-echtviolett B teig (Celliton Fast Violet B paste). Feb 14, 1934. 1.50

295 Umlösung von Cellitonfarben (Dissolving and reprecipitating Celliton dyes). Mar 28, 1930. 1.50

296-299 Frame 296 is missing. Frames 297-299 contain incomplete information; the dye cannot be identified.

300-302 Cellitonblau 3G (Celliton Blue 3 G). By Krause? Jan 26, 1934. 1.50

303-307 Celliton-echtrosa RF pulver roh = 1.amino-2.methoxy-4.oxy-anthrachinon (Crude Celliton Fast Pink RF powder = 1-amino-2-methoxy-4-hydroxyanthraquinone). By Emmer. Feb 18, 1943. 1.50

308-311 Celliton echtblau FFG teig = 1-amino-4-cyclohexylamino-anthrachinon-2-carbonamid (Celliton Fast Blue FFG paste = 1-amino-4-cyclohexylamino-anthraquinone-2-carboxamide). Feb 6, 1934. 1.50

312-315 Celliton echtblau FFB = 1-amino-4-methylamino-anthrachinon-2-carbonamid (Celliton Fast Blue FFB = 1-amino-4-methylamino-anthraquinone-2-carboxamide). By Krause. Feb 6, 1934. 1.50

316-324 Celliton-echtblau FFR = 1-oxäthylamino-4-methylaminoanthrachinon (Celliton Fast Blue FFR = 1-hydroxyethylamino-4-methylamino-anthraquinone). By Hensle and Ehrhardt. Mar 4, 1936. 1.50

325-326 Anison-teig = 1-amido-4-p.anisidido-anthrachinon (Anison-paste = 1-amino-4-p-anisidinoanthraquinone). By Kirchner. Jan 21, 1936. 1.50

327-331 Celliton echtgrün 3B = 1.4-naphtochinon-5-imino-8-(imino-p-benzyläther) (Celliton Fast Green 3 B = 1.4-naphthoquinone-5-imino-8-(imino-p-benzylether)). By Robl. Jul 12, 1940. 1.50

332-335 Cellitonblau FW (Celliton Blue FW). By Emmer and Krause. Feb 6, 1939. 1.50

336-342 Öl-blau II = 1.4.di-n.butylamino-anthrachinon (Oil Blue II = 1.4-di-n-butylamino-anthraquinone). Oct 19, 1938. 1.50

343-347 Indanthrenblau GGS-sondermarken = N-dihydro-1.2.2'.1'-anthrachinonazin (Indanthrene Blue GGS - speciel brands = N-dihydro-1.2.2'.1'-anthraquinone azine). By Schröder. Jan 17, 1936. 1.50

348-352 Vulkanechtgrün 5 BF (Vulcan Fast Green 5 BF). By Haag and Schröder. Jan 10, 1936. 1.50

353-357 Vulkan-echtblau GGF (Vulcan Fast Blue GGF). By Held. Oct 28, 1941. 1.50

358-362 Vulkanechtviolett 3 BF (Vulcan Fast Violet 3 BF). By Held and Schröder. n. d. 1.50

363-366 Lumogen L hellgelb = 2.2'-dioxy-1.1'naphtaldazin (Lumogen L Light Yellow = 2.2'-dihydroxy-1.1'naphthaldazine). By Schenzler? Jan 19, 1945. 1.50

367-372 Uwa-gelb = rauchgelb = 9.10-dianilido-anthracen (Uwa Yellow = Smoke Yellow =

Dyes (contd)

9,10-dianilinoanthracene). By Bamer and Held. Aug 24, 1942. 1.50

373-376 F.W. Orange 1584 (rauch-orange) = Phtaloperinon (FW Orange 1584 (Smoky Orange) = Phthaloperinon). Apr 1, 1942. 1.50

377-386 Indigo-teig 20% (Indigo paste 20%). Sep 6, 1945. 1.50
This item is almost illegible.

387-394 Indigweiss (Indigo White). Nov 16, 1942. 1.50

395-398 Indigo-Küpe 80% (Indigo vat 80%). Nov 14, 1942. 1.50

399-401 Indigo rein RR = 5-monobromindigo (Indigo Pure RR = 5-monobromo-indigo). By Holzberger. Jun 22, 1936. 1.50

402-403 Indigo RB = 5.5'-dibrom-indigo (Indigo RB = 5,5'-dibromoindigo). By Holzberger. Jun 22, 1936. 1.50

404-406 Brilliant-indigo 4B = 5.5'-7.7'-tetrabrom-indigo (Brilliant Indigo 4B = 5,5'-7,7'-tetrabromoindigo). By Holzberger? Mar 31, 1943. 1.50

407-410 Brilliantindigo B = 5.5'-7.7'-tetrachlorindigo (Brilliant Indigo B = 5,5'-7,7'-tetrachloroindigo). Apr 28, 1943. 1.50

411-414 Brillantindigo 4 G = 4.4'-dichlor-5.5'-dibromindigo (Brillant Indigo 4 G = 4,4'-dichloro-5,5'-dibromo-indigo). By Holzberger. Jun 24, 1936. 1.50

415 Indigo-Küpe R 60%ig (Indigo Vat R 60%). By Pensel. Oct 12, 1943. 1.50

416-418 Indigotin I = 5.5'-indigo-disulfo-säure (Indigotin I = 5,5'-indigo disulfonic acid). By Beck. Mar 8, 1933. 1.50

419 Cellitonechtgelb RR 40% (Celliton Fast Yellow RR 40%). By Beck. Nov 13, 1934. 1.50

420-425 Einstellung der Indanthren-, Algol- und Alizarinteigmarken (Standardization of the Indanthrene, Algol, and Alizarin paste brands). By Beck. Oct 9, 1930. 1.50

426-429 Trocknen, mahlen und mischen der farbstoffpulver (Drying, pulverizing and mixing dye powders). By Beck. Sep 22, 1930. 1.50

430 Suprafix - teige (Suprafix pastes). Nov 16, 1945. 1.50

431 Celliton- und küpenfarben in dispergierter form (Dispersed Celliton and vat dyes). Nov 16, 1945. 1.50

The following items, frames 432-500, contain instructions for analyses of dyes and dye intermediates.

432-436 Benzaldehyd-2-sulfosäure (Benzaldehyde-2-sulfonic acid). n. d. 1.50

437-438 Tetramethyldiamidodiphenylmethan (Tetramethyl diaminodiphenylmethane). 1.50

439-441 Tetramethyldiamidodiphenylcarbinol (Tetramethyldiamino diphenylcarbinol). 1.50

442-443 Tetraäthyldiamidodiphenyl-carbinol (Tetraethyldiaminodiphenyl-carbinol). 1.50

444-447 2-Naphtol-3-6-disulfosäure (R-salz) (2-naphthol-3-6-disulfonic acid (R-salt)). 1.50

448-449 Naphtalin-2-sulfosäure (Naphthalene-2-sulfonic acid). 1.50

450-453 3-Oxybenzaldehyd (3-hydroxybenzaldehyde). 1.50

454-456 3-Nitrobenzaldehyd (3-nitrobenzaldehyde). 1.50

457-460 1.8 Dioxynaphtalin-4-sulfosäure (1,8-dihydroxynaphthalene-4-sulfonic acid). 1.50

461-465 1.3-Phenylendiamin (1,3-phenylenediamine). 1.50

466-467 2.4-Toluylendiamin (2,4-tolylenediamine). 1.50

468-470 1.3-Phenylendiamin-4-sulfosäure (1,3-phenylenediamine-4-sulfonic acid). 1.50

471-473 2.4-Toluylendiamin-5-sulfosäure (2,4-tolylenediamine-5-sulfonic acid). 1.50

474-476 2-Naphtol-6-sulfosäure = Schäffer-salz (2-naphthol-6-sulfonic acid = Schäffer's salt). 1.50

477-478 2-Naphtol-8-sulfosäure (2-naphthol-8-sulfonic acid). 1.50

479-482 4'-Oxy-2.4.dinitrodiphenylamin (4'-hydroxy-2,4-dinitrodiphenylamine). 1.50

483-484 4-Amidophenol (4-aminophenol). 1.50

485-489 Diazotiermethode (Diazotizing method). 1.50

490-500 Kupplungsmethode (Coupling method). 1.50

501-746 I.G. analysen Nr. 20 (1-33) (I.G. analyses No. 20 (1-33)). Jul 1937. 25.00
This item contains detailed information on the analytic technique of organic compounds in general; e. g. distillation methods, determination of melting and solidifying points, determination of molecular weights; determination of water, determination of metals, determination of different degrees of nitration, etc. Drawings are included. An index is contained on frames 502-503. Individual descriptions of analyses within this item are abstracted below. They will also be available as individual enlargement prints, at the prices indicated.

504-529 Destillationsmethode (Method of distillation). 1924-1939. 3.00
This item begins with a detailed description of a general distillation method for determination of the boiling range. This method is to be followed unless specific methods are indicated for individual products. The equipment to be used is described with exact dimensions, and shown in drawings. Every step of its use is indicated. 100 ccm are distilled in about 25 minutes (about 1 drop per second).

The starting temperature is observed after 5 drops have gone over, then temperatures after 5 and after 95 ccm, and final temperature. A formula for determining the boiling temperature from the observed temperatures is given. A description for determining the boiling range at reduced pressure, for substances with high boiling points, follows, again illustrated with drawings. The various I.G. plants have contributed devices of different construction, all shown here.

530-536 Bestimmung des erstarrungspunktes (Determination of the solidifying point). 1924-1936. 1.50
This report begins with a theoretical discussion of the importance of the solidifying point and its modification by admixtures. Methods for substances with low and high melting points are then described. A drawing of the apparatus is added.

537-543 Bestimmung des schmelzpunktes (Determination of the melting point). May 1937. 1.50
The process of melting is described. Factors modifying the melting temperature and the melting range are discussed. The method of measuring is described. Two types of apparatus are described in detail and shown in drawings: (1) Linström's apparatus, (2) the apparatus of the German Pharmacopoeia.

544-546A Bestimmung der dichte (Determination of density). 1924-1936. 1.50
The densities are measured at 20° C. The descriptions cover measurements by means of the pycnometer, the densities of liquids for technical and scientific purposes, and the density of a pulverized solid, the latter by the use of an auxiliary liquid.

547-558 Bestimmung des wassers (Determination of water). 1924-1937. 1.50
The following methods are described in detail: (1) Direct distillation; (2) Distillation with benzene, toluene or xylene; (3) Distillation with tetrachloroethane; (4) Titration with a solution of iodine in methyl alcohol plus sulfur dioxide in pyridine; (5) Distillation with magnesium nitride; (6) Determination of the water content of hygroscopic substances yielding their water only at high temperatures (calcium carbide). Apparatus for (3) and (2) are shown in drawings.

559 Nachweis von unnitrierten kohlenwasserstoffen in nitrokohlenwasserstoffen (Determination of unnitrated hydrocarbons in nitro-hydrocarbons). 1924. 1.50
An alcoholic solution containing a trace of formaldehyde forms a colored layer with concentrated sulfuric acid.

560 Nachweis von dinitroprodukten in mononitrokohlenwasserstoffen (Determination of dinitroproducts in mononitro hydrocarbons). 1924. 1.50
A solution in acetone is shaken with sodium hydroxide solution. Dinitro compounds cause blue-violet colorations.

561 Nachweis von trinitroprodukten in dinitrokohlenwasserstoffen (Determination of trinitro products in dinitrohydrocarbons). 1924. 1.50
A solution in acetone is shaken with a solution of sodium carbonate. Colorations caused by various trinitro compounds are described.

562 Reduktion von nitrokohlenwasserstoffen mit eisen und salzsäure (Reduction of nitro-hydrocarbons by means of iron and hydrochloric acid). 1924. 1.50
The method is described.

563-565 Kolorimetrische bestimmung von sekundären aromatischen aminen in tertiären aromatischen aminen (Colorimetric determination of secondary aromatic amines in tertiary aromatic amines). 1925-1936. 1.50
The method consists in measuring the rise in temperature by the reaction of the secondary aromatic amines with acetic acid anhydrides. The decrease in temperature by dissolving the anhydride in the tertiary base has to be considered. The method is described. Measurements at various anilines are tabulated.

566-574 Probenahme (Taking of samples). 1936. 1.50
Rules for taking samples are given. Errors to be avoided are pointed out. Various devices are shown in photographs.

575-578 Aschebestimmung in organischen substangen (Determination of the ashes in organic substances). 1936. 1.50
Methods are described (1) for substances containing inorganic constituents as impurities only; (2) for substances containing them constitutionally. Technical details are given, chiefly for (1).

579-581 Bestimmung von stellmitteln in organischen farbstoffen (Determination of setting agents in organic dyes). n. d. 1.50
Since the admixtures differ widely in nature, and because the character of the dye has to be taken into account, general methods cannot be given. Methods are described for the determination of sodium sulfate, sodium chloride, soda, cane sugar, dextrin, tannin, and resin soap.

582-604 Bestimmung von kupfer, blei und zink in lebensmittelfarbstoffen (Determination of copper, lead, and zinc, in coloring substances for foods). 1936. 2.50
The method described first, consists in polarographic determination, by means of Geissler's polarograph. The necessary steps, including evaluation, are described in detail. A second method is called "Dithizon"-method (diphenylthiocarbazon). A complete description is given. The third method is another polarographic one, using Leybold's polarograph. It is illustrated by means of flow sheets and photographs.

605-613 Bestimmung von kleinen mengen arsen in organischen substanzen (Determination of small amounts

of arsenic in organic substances). 1936. 1.50
The arsenic is transformed into the trivalent form and reduced to arsine. The latter is determined either by Marsh-Lockemann-Birkenbach's or by Smith-Beck-Merres's method, which are both described and illustrated.

614-620 Bestimmung der hydroxylgruppe in alkoholen und phenolen (Determination of the hydroxyl groups in alcohols and phenols). 1927-1936. 1.50
The method uses acetylation by means of a mixture of acetic anhydride and pyridine. Legibility of this item is poor. A file note on pyridine is attached.

621 Allgemeine verseifungsmethode zur gehaltsbestimmung von estern (General hydrolysis method for ester analysis). 1927. 1.50
The method is shortly described and a formula for the evaluation of the results is given.

622 Allgemeine methoden zur bestimmung der konstanten von fetten und ölen (General methods for determining the constants of fats and oils). 1928. 1.50
The methods to be used are described in "Einheitliche untersuchungsmethoden für die fett- und wachsindustrie," edited by "Wizöff," Stuttgart, 1930, to which reference is made here. No further information is given.

623-631 Untersuchungsmethoden für lösungsmittel (Methods for the examination of solvents). 1929. 1.50
The method has to be chosen according to the nature of the solvent. Suggestions for such choice are made, and various methods are described.

632-639 Untersuchung von textilhilfsmitteln und ähnlichen produkten (Examination of textile aids and similar products). 1929-1936. 1.50
These products are divided in I. Sulfuric acid esters: (1) Fatty alcohol sulfonates; (2) Sulfonated fatty oils (Turkey red oils); II. Genuine sulfonic acids: (3) Nekals and similar products; (4) "Igepon A"; (5) "Igepon T." The methods vary correspondingly. They are described. No general rules can be given because of the complex nature of most products.

640-644 Fettalkoholsulfonate (Fatty alcohol sulfonates). 1936. 1.50
The description covers the determination of the content of free and of bound fatty alcohols, of fatty alcohols soluble in ether and containing sulfur, of fatty acids, of the total sulfur, sulfate sulfur, ester sulfuric acid, chlorine ion, total sodium, and the characteristic values of the fatty alcohols.

645-648 Fettalkohole (Fatty alcohols). 1936. 1.50
Methods are given for determining the saponification number, hydroxyl number, iodine number, hydrocarbons, and boiling point curves.

649-657 Bestimmung von metallen verschiedener oxydationsstufen nebeneinander (Determination of metals of various degrees of oxidation, side by side). 1930. 1.50
Methods are described for determining, side by side, the metallic form and/or the several oxides of iron, copper, and lead.

658-663 Anwendung der löslichkeitsbestimmung für analytische zwecke (Utilization of the determination of solubility for analytical purposes). n. d. 1.50
This method is valuable in the analysis of substances which dissociate when melted. General rules to be observed are given.

664-675 Bestimmung von halogen und schwefel (Determination of halogen and sulfur). 1936. 1.50
This item describes several methods (1) for determining constitutionally bound halogen and sulfur in organic substances. (2) for determining traces of chlorine and sulfur. There is described a method for the elimination of traces of chlorine contained in the hydrogen used in the analysis.

676-686 Bestimmung der nitrogruppe (Determination of the nitro group). 1925-1936. 1.50
Three methods are described: (1) Reduction by means of zinc dust and determination of the amino compounds by diazotization or coupling; (2) Reduction by means of stannous chloride, and titration of the excess stannous chloride with an iodine solution; (3) Reduction by means of titanium trichloride and titration of the excess titanium with Fe^{+++} solution.

687-688 Haltbarkeit von diazosalzen bei höheren temperaturen (Stableness of diazo salts at elevated temperatures). 1936. 1.50
A method of testing by means of a thermostat, and its evaluation, are described.

689-691 Prüfung von zwischenprodukten und farbstoffen auf tenergefährlichkeit und explosive eigenschaften (Testing of intermediates and dyes for fire hazards and explosibility). 1936. 1.50

692 Hygroskopizität von waschmitteln (Hygroscopicity of detergents). 1936. 1.50
A test and its evaluation are described.

693-694 Bestimmung von spuren stickstoff in kohlenwasserstoffen und teerölen (Determination of traces of nitrogen in hydrocarbons and tar oils). 1936. 1.50
Two methods are described, one of which is to be used if volatile sulfurous substances are present.

695-697 Lichtabsorption und trübung der lösungen von zwischenprodukten (Light absorption and turbidity of solutions of intermediates). 1936. 1.50
Standards for these values are set, and their determination is described.

698-699 Schüttgewicht (Weight of discharged material). 1936. 1.50
The weight of discharged material is defined as the weight of a volume of 1 liter of the substance which does not show empty spaces. Its determination is described.

700-703 Hochmolekulare alkylamine (Alkyl amines of high molecular weight). 1936. 1.50

Methods are described for determining the total nitrogen, basic nitrogen, primary bound nitrogen, and tertiary bound nitrogen are described. Secondary bound nitrogen is calculated.

704-707 Bestimmung von kupfer und mangan in geweben und farbstoffen (Determination of copper and manganese in textiles and dyes). 1937. 1.50
An electrolytic and two colorimetric methods for copper, and a colorimetric method for manganese are described.

708-709 Bestimmung von sand und grit (Determination of sand and grit). 1937. 1.50
Insoluble organic impurities retained by a 12,000 mesh strainer are called "grit." A standard method is described chiefly for "Naphthol AS" and similar substances.

710-727 Untersuchung von kunststoffen (Analysis of plastics). 1938. 2.00
Methods are described for the examination of polyisobutylene, polystyrene, chlorine rubber, polyvinylchloride, polyvinyl alcohol, polyvinyl methyl ether, polyvinyl ethyl ether, methyl cellulose, ethyl cellulose, benzyl cellulose, polyvinyl acetal, methyl ester of poly acrylic acid, methyl ester of polymethacrylic acid, polyvinyl acetate, phthalic acid glyceride, phthalic acid - fatty acid glyceride, resin ester, nitrocellulose, acetyl cellulose, phenol-formaldehyde condensation products, urea-formaldehyde condensation products, protein-formaldehyde condensation products, and cyclohexanone-formaldehyde condensation products. An apprendix gives general regulations in regard to some plastics. The equipment used is shown in drawings.

728-731 Sublimation (Sublimation). 1938. 1.50
Three apparatus and their use are described, and illustrated by means of drawings.

732-743 Bestimmung von molekulargewichten (Determination of molecular weights). 1940. 1.50
The methods described are: (1) By determination of the density of gas or vapor (3 methods); (2) Osmotic methods, (a) Using the lowering of freezing points (3 methods); (b) Using the rise of boiling points (2 methods); (c) Comparison of isotonic solutions after isothermic distillation (2 methods, of which Berger-Rast's method is described in detail.

744-746 Die bestimmung des bromverbrauchs von benzolkohlenwasserstoffen (jodausweichmethode) (Determination of bromine consumption by benzene hydrocarbons (iodine economizing method)). By Kerckow. Jan 1942. 1.50
The standard method (see frame 749) uses potassium iodide. Because of the wartime scarcity of iodine another method was worked out in which arsenic was used instead of iodine.

The items following now are likewise descriptions of analyses. They are entitled "I. G. analyses Nr. 20-50." Each describes a method, or several methods of analysis for the substance mentioned in the particular title.

747-759 Benzol (Benzene). 1.50

760 Toluol (Toluene). 1.50

761-766 Naphtalin (Naphthalene). 1.50

767-768 Nitrobenzol, rein (Pure nitrobenzene). 1.50

769-771 2-Nitrotoluol (2-nitrotoluene). 1.50

772-773 3-Nitrotoluol (3-nitrotoluene). 1.50

774-775 4-Nitrotoluol (4-nitrotoluene). 1.50

776-777 Nitrotoluol, roh (Crude nitrotoluene). 1.50

778-779 Nitroxylol (Nitroxylene). 1.50

780-782 α-Nitronaphthalin (Alpha-nitronaphthalene). 1.50

783-786 Anilin (Aniline). 1.50

787-791 2-Toluidin (2-toluidine). 1.50

792-794 3-Toluidin (3-toluidine). 1.50

795-796 4-Toluidin (4-toluidine). 1.50

797-802 Toluidin, roh (Crude toluidine). 1.50

803-813 Xylidin F (xylidine F). 1.50

814-816 1.3.4.Xylidin (=asym.m xylidin) (1.3.4-xylidine (asymmetric m-xylidine). 1.50

817-818 1.2.4.Xylidin (= p-xylidin) (1.2.4-xylidine (=p-xylidine). 1.50

819-820 1-Naphtylamin (=α-naphtylamin) (1-naphthylamine (=Alpha-naphthylamine). 1.50

821-823 2-Naphtylamin (=β-naphtylamin) (2-naphthylamine (=beta-naphthylamine). 1.50

824-829 1-Amido-8-naphtol-3.6.disulfosäure (=H-säure) (1-amino-8-naphthol-3,6-disulfonic acid (=H-acid)). 1.50

830-834 1-Amino-8-naphtol.4.6-disulfosäure (K-säure) (1-amino-8-naphthol-4.6-disulfonic acid (K-acid)). 1.50

835-837 1.8-Dioxynaphtalin-3.6-disulfosäure (chromotropsäure) (1.8-dihydroxynaphthalene-3.6-disulfonic acid (chromotrope acid)). 1.50

838-841 1-Naphtylamin-3.8-disulfosäure (amidoepsilonsäure) (1-naphthylamine-3.8-disulfonic acid (amino-epsilonacid)). 1.50

842 1-Naphtol-3.8-disulfosäure (Epsilonsäure) (1-naphthol-3.8-disulfonic acid (Epsilon acid)). 1.50

843-848 2-Naphtylamin-5-7-disulfosäure (amino-I-säure) (2-naphthylamine-5.7-disulfonic acid (=amino-I-acid)). 1.50

849-851 2-Amido-5-naphtol-7-sulfosäure (I-säure) (2-amino-5-naphthol-7-sulfonic acid (I-acid)). 1.50

852-854 2-Amido-8-naphtol-6-sulfosäure (Gammasäure) (2-amino-8-naphthol-6-sulfonic acid (gamma-acid)). 1.50

Dyes (contd)

855-860 2-Naphtylamin-3.6-disulfosäure (2-naphthylamine-3.6-disulfonic acid). 1.50

861-862 2-Amido-3-naphtol-6-sulfosäure-(amido-naphtol-R-säure) (2-amino-3-naphthol-6-sulfonic acid (amino-naphthol-R-acid)). 1.50

863-868 1-Naphtylamin-4-sulfosäure (rohnaphtionsäure und naphtionat) (1-naphthylamine-4-sulfonic acid (crude naphthionic acid and naphthionate)). 1.50

PB L 73726-S. I.G. FARBENINDUSTRIE A.G., LUDWIGSHAFEN. Technical reports on dyestuffs, dye intermediates and methods for the analysis of organic chemicals. (FIAT Microfilm Reel 0 21, Frames 1-868, abstract cards) 1924-1945. 155 p. Price: Microfilm-$4.00 - Photostat-$11.00
These are abstract cards, prepared by FIAT abstracters in Germany. They contain short abstracts of the items on reel 0 21 (PB L 73726), described above, exclusive of the items on Frames 504-746. In English.

Agricultural Chemicals

PB L 75955. U.S. BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE. Directions for use and a discussion of insecticides and repellants investigated at the Orlando Laboratory for the armed forces. (For revision, see PB 75963). Contract-M-723. (OSRD CMR Tropical Diseases Rept 7) Mar 1944. 27 p. Price: Microfilm-$1.00 - Photostat-$2.00
This report represents the earliest work at Orlando, Florida, on the methods for preparation and directions for use of these substances. The work was begun in early 1942. Part 1 of the report deals with the use of three insect repellents (dimethyl phthalate Indalone and Rutgers 612 which is 2-ethyl, 1,3-hexanediol). Part 2 describes the use of various preparations of DDT as mosquito larvicides. Part 3 covers the use of DDT aerosols and DDT spray residues. Part 4 compares the effectiveness of DDT and MYL louse powders. For revision 1 of this report, see OSRD Tropical Diseases Rept 19, PB 75963, under Contracts M-723, M-920, and M-1702. For the latest work see revision 2, OSRD Tropical Diseases Rept 100, under Contract M-4331.

PB L 75963. U.S. BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE. Directions for use, and discussion of, insecticides and repellants investigated at the Orlando, Florida laboratory. (Revision of PB 75955). Contracts M-723, M-920, and M-1702. (OSRD CMR Tropical Diseases Rept 19; Rept 7, rev. 1) May 1944. 36 p. Price: Microfilm-$1.00 - Photostat-$3.00
This report in the first revision of Tropical Diseases Report 7. Part 1 is the introduction; the properties and the various uses of DDT are discussed in Parts 2 through 5; Part 6 contains a brief summary of the toxicology of DDT, as prepared by the Food and Drug Administration, where many of the toxicological studies have been conducted. The method of using repellents is discussed in Part 7. For a later and more complete report on this work, see the second revision, OSRD CMR Tropical Diseases Report 100, PB 76028, under Contract M-4331.

PB L 75962. MADDEN, A. H. and others. The use of DDT residue treatment of airplanes for the prevention of insect introduction. Contract M-723. (OSRD Committee on Medical Res Tropical Diseases Rept 14, abstract) Apr 1944. 1 p. Price: Microfilm-$1.00 - Photostat-$1.00
The most satisfactory treatment for airplanes appears to be a 20% concentration of DDT applied as a semi-fog spray. This is easy to apply and provides an effective and lasting toxic residue. Additional information is required to determine the necessity for spraying other parts of planes, other than the fuselage. Report from the Orlando, Florida laboratory, Bureau of Entomology and Plant Quarantine.

PB L 75956. LINDQUIST, ARTHUR W. and MCDUFFIE, W. C. Studies on the application of DDT from the air and on the ground for control of mosquitoes in Panama. Contract M-723. (OSRD Committee on Medical Res Tropical Diseases Rept 16) Apr 1944. 1 p. Price: Microfilm-$1.00 - Photostat-$1.00
Abstract gives some information on the effectiveness of DDT sprays against Mansonia adult mosquitoes, Anopheles albimanus adults and larvae and A. quadrimaculatus adults. Report by personnel of the Bureau of Entomology and Plant Quarantine and of the U.S. Army Sanitary Corps.

PB L 75967. MADDEN, A. H. and LINDQUIST, A. W. Treatment of clothing for chigger protection. Progress report, Aug 14, 1942. Contract M-723. Aug 1942. 2 p. Price: Microfilm-$1.00 - Photostat-$1.00
The results of tests using various repellents are given in this report. The compounds which are identified by symbol only, include: NLS (Rutgers 532), NMB (Rutgers 612, 2-ethyl-1,3-hexanediol), EAT (methyl, phthalate), NLL (Rutgers 463), X (pyrethrins), BTY (IN 930-N-isobutyl undecylenamide), ETM (derris-rotenone), EAI (pyrax-derris-rotenone mixture), and ESB (Indalone). Report from the Orlando, Fla., laboratory, Bureau of Entomology and Plant Quarantine.

PB L 75965. TRAVIS, B. V. and SMITH, A. L. Suggested methods for testing mosquito and other flying and biting insect materials. Contract M-723. Sep 1942. 3 p. Price: Microfilm-$1.00 - Photostat-$1.00
In order to obtain a uniform testing procedure for repellents, a description is given of the field and laboratory techniques which have proved satisfactory at the Orlando laboratory. For a later report on the subject by B. V. Travis, dated May 12, 1943, see PB 75971.

PB L 75966. U.S. OFFICE OF SCIENTIFIC RESEARCH AND DEVELOPMENT. COMMITTEE ON MEDICAL RESEARCH. A summary of investigations on the development of insect repellants and lousicides. Contracts M-723, M-920, and M-631. 1943. 8 p. Price: Microfilm-$1.00 - Photostat-$1.00
An account is given of the development of the MYL louse powder which was used by the U.S. Army. A table compares the percentage mortality of lice when clothing was treated with MYL, AL-63 (British louse powder), and ANI (similar to MYL but containing no 2,4 - dinitroanisole). A comparison was also made of MYL and lauryl thiocyanate. A summary is given of repellent tests with 2-ethyl hexandediol-1,3, dimethyl phthalate, and Indalone against flying and biting insects and fleas. A table records the results.

PB L 75968. LINDQUIST, A. W. and others. SBLY in bedbug control, Orlando, Florida. Special report, Apr 5, 1943. Contract M-723. Apr 1943. 7 p. Price: Microfilm-$1.00 - Photostat-$1.00
Laboratory and practical field tests have demonstrated that SBLY (DDT) applied as a spray is effective in killing bugs

(both Cimex lectularius and C. hemipterus) actually contacted by the spray and in addition the treatment leaves a spray residue that is highly effective for long periods. A method of evaluating the relative effectiveness of bedbug sprays is given. Two materials considered as substitutes for pyrethrins did not provide effective residual action. Unrefined kerosene seems most desirable as a solvent from the standpoint of cost, availability, and non-irritating properties. Several tables are included. Report from the Bureau of Entomology and Plant Quarantine.

PB L 75969. GAHAN, JAMES B. SBLY as a control for American and Australian cockroaches, Orlando, Florida. Progress report, Apr 16, 1943. Contract M-723. Apr 1943. 4 p. Price: Microfilm-$1.00 - Photostat-$1.00
A number of tests have been made to determine the practicability of using SBLY (DDT) as an insecticide for adults of the American roach (Periplaneta americana) and the Australian roach (Periplaneta australasiae). Talc was used as the diluent in dust mixtures and cyclohexanone, o-dichlorobenzene, and methyl chloride as solvents for sprays and aerosols. SBLY was found to be more satisfactory than sodium fluoride against the roaches. Report from the Bureau of Entomology and Plant Quarantine.

PB L 75970. LINDQUIST, A. W. and others. The effectiveness of SBLY spray residue on houseflies, Orlando, Florida, Apr 27, 1943. Contract M-723. Apr 1943. 9 p. Price: Microfilm-$1.00 - Photostat-$1.00
The residual action of SBLY (DDT) spray for housefly control in cages and in buildings has been studied. The results are tabulated from the Bureau of Entomology and Plant Quarantine.

PB L 75971. TRAVIS, B. V. Suggested methods for testing mosquito and other flying and biting insect repellent materials (revised) Contract M-723. May 1943. 4 p. Price: Microfilm-$1.00 - Photostat-$1.00
A testing procedure, which has been in use at the Orlando, laboratory for the last year, is described in this report. For an earlier report on this subject, see PB 75965. From the Bureau of Entomology and Plant Quarantine.

PB L 75972. JONES, HOWARD A. and PLUNO, HELEN J. Solubility of SBLY in organic solvents. Special report, Jun 1, 1943. Contract M-723. Jun 1943. 4 p. Price: Microfilm-$1.00 - Photostat-$1.00
Table 1 gives the solubility of SBLY (DDT) in various solvents. The possible use of some of these solvents in sprays, aerosols, or dusts is discussed. From the Orlando, Florida laboratory, Bureau of Entomology and Plant Quarantine.

PB L 75973. LINDQUIST, A. W. and others. Aerosol tests against mosquitoes and houseflies. Special report, May 26 - Jun 26, 1943. Contract M-723. Jun 1943. 7 p. Price: Microfilm-$1.00 - Photostat-$1.00
The main objective of these tests has been to compare the effectiveness of DDT alone and DDT plus 0.2% pyrethrins with that of the standard formula containing 0.8% pyrethrins + 6% sesame oil. Three different solvents for DDT (dibutyl phthalate, benzyl benzoate and cyclohexanone) were used in making these comparisons. The tests were conducted in 9,300 cubic foot rooms against houseflies and one-day old Anopheles quadrimaculatus mosquitoes. The results are recorded in tables. On the basis of equal delivery, the DDT formula was about equal to the standard for mosquitoes and superior to the standard for houseflies. Report from the Bureau of Entomology and Plant Quarantine.

PB L 75974. LINDQUIST, ARTHUR W. and others. The efficacy of aerosols, dusts and sprays used outdoors for adult mosquito control, Orlando, Florida, August - September, 1943. Contract-M-723. Sep 1943. 5 p. Price: Microfilm-$1.00 - Photostat-$1.00
This report gives the results of tests made near Cocoa, Florida against Aedes taeniorhynchus. The tests covered the use of pyrethrins and DDT in aerosols, DDT in dusts, and DDT in sprays. All the tests demonstrated that a standard one-pound bomb containing either the pyrethrin or DDT formula released in about 20-foot swaths over an acre would cause at least 90% reduction in the mosquito population. Tables are included. Report from the Bureau of Entomology and Plant Quarantine.

PB L 75957. LINDQUIST, ARTHUR W. and others. Effect of temperature on knockdown and kill of insects exposed to DDT. Contract M-723. Feb 1944. 5 p. Price: Microfilm-$1.00 - Photostat-$1.00
Tests were made against houseflies and Anopheles quadrimaculatus mosquitoes and the results recorded in Tables 1-6. The flies exposed to DDT were knocked down and succumbed more rapidly at temperatures of 70° or 80° F than at 90° or 100° F. The mosquitoes were knocked down more slowly at lower temperatures. Report from the Orlando, Florida laboratory, Bureau of Entomology and Plant Quarantine.

PB L 75958. LINDQUIST, ARTHUR W. and others. Report on settling rates of concentrated sprays and aerosols. Contract-M-723. Mar 1944. 9 p. Price: Microfilm-$1.00 - Photostat-$1.00
This report gives the results of a biological method of testing settling rates by exposure of houseflies and Anopheles quadrimaculatus mosquitoes to these aerosols and sprays. Results of paired tests of liquified gas aerosols and DDT sprays in kerosene from a hand operated DeVilbiss paint sprayer are given in Table 1. Results of tests of sprays containing different amounts of diluent but the same dosage of DDT are given in Table 2. Results of tests with a Hudson continuous hand sprayer and with a Brewer electric sprayer are given in Table 4. Results with an ordinary Flit-type household sprayer, with a capillary tube replacing the large tube used, are given in Table 4. Results with a pocket size sprayer which was developed to incorporate the capillary tube principle are given in Table 5. From the Orlando, Florida laboratory, Bureau of Entomology and Plant Quarantine.

PB L 75975. DOVE, W. E. and others. Insect repellents. Progress reports 1-19, Feb 28, 1942 - Aug 1, 1944. Contract M-723. Feb 1942 - Aug 1944. 156 p. Price: Microfilm-$3.00 - Photostat-$8.00
These progress reports cover the work performed by the Bureau of Entomology and Plant Quarantine under Contract M-723 on the testing of various repellents against the common flying and biting insects and against crawling and biting insects. Several pages will not reproduce well.

PB L 75984. JONES, HOWARD A. and others. Some insecticidal preparations of DDT. Contracts M-723, and M-920. Jul 1944. 1 p. Price: Microfilm-$1.00 - Photostat-$1.00
A general description is given of the manner in which DDT may be used, such as in solutions, dusts, suspensions and emulsions. Report from the Bureau of Entomology and Plant Quarantine.

PB L 75980. CULPEPPER, G. H. The use of MYL powder in treating pubic louse infestations. Contract-M-920. n.d. 2 p. Price: Microfilm-$1.00 - Photostat-$1.00
A total of 32 cases of natural crab louse infestations were treated during the period, October 1942 to January 1943. The records on the individual cases treated are given in Table 1. On the basis of the experimental observations reported herein, it was recommended that the MYL powder be issued as a crab louse treatment to the Army Medical Corps in the Continental United States. Report from the Orlando, Florida, laboratory, Bureau of Entomology and Plant Quarantine.

PB L 75978. BUSHLAND, R. C. and EDDY, G. W. Results of comparative tests with SSBS and MYL louse powders. Special progress report, Feb 26, 1943. Contract-M-920. Feb 1943. 6 p. Price: Microfilm-$1.00 - Photostat-$1.00
A number of experiments are reported herein, comparing the efficiency of a DDT powder (Geigy) and MYL powder. On the basis of information obtained thus far in both laboratory and camp dormitory tests, DDT is considered superior to MYL. Report from the Orlando, Florida laboratory, Bureau of Entomology and Plant Quarantine.

PB L 75977. BUSHLAND, R. C. A report on laboratory tests with SBLY as a toxicant for mosquito larvae, Orlando, Florida, Mar 22, 1943. Contract-M-920. Mar 1943. 5 p. Price: Microfilm-$1.00 - Photostat-$1.00
Using a standard procedure for the laboratory evaluation of culicine larvicides, it was discovered that: (1) DDT (SBLY) is forty or fifty times as toxic as pehnothiazine to Culex quinquefasciatus larvae; (2) SBAB (bromine analog of DDT) is slightly less effective than DDT; and (3) DDT is about as toxic to larvae of Aedes aegypti as to Culex. Tables are included. Report from the Bureau of Entomology and Plant Quarantine.

PB L 75979. JONES, HOWARD A. and others. Impregnation of underwear for louse control. Contract-M-920. Special report. Jul 1943. 8 p. Price: Microfilm-$1.00 - Photostat-$1.00
The method of applying insecticides by impregnation of clothing to eliminate or control the body louse has been investigated, and the experimental results indicate that certain materials render garments louse-proof for long periods of time. The first tests were made with pyrethrum extract. When DDT became available, extensive tests were made with this compound and the results show it to be remarkably effective and long-lasting against body lice. A few additional substances have also been tested. Report from the Orlando, laboratory of the Bureau of Entomology and Plant Quarantine.

PB L 75985. EIDE, PAUL M. and others. The use of quick breaking fuel oil emulsion containing DDT. Abstract of interim report. Contract-M-1702. (OSRD CMR Tropical Diseases Rept 25, Abstract) Jul 1944. 1 p. Price: Microfilm-$1.00 - Photostat-$1.00
Abstract very briefly discusses the use of emulsifiers for DDT in fuel oil emulsions. Several brand names are mentioned. Report from the Bureau of Entomology and Plant Quarantine.

PB L 75986. MCGOVRAN, E. R. and others. Tests of aerosol generated from Sparklet bulbs. Abstract of interim report. Contract-M-1702. (OSRD CMR Tropical Diseases Rept 40, Abstract) Oct 1944. 1 p. Price: Microfilm-$1.00 - Photostat-$1.00
Mention is made of the effectiveness of a pyrethrum - DDT aerosol against adult houseflies and Aedes aegypti mosquitoes. Report from the Bureau of Entomology and Plant Quarantine. Beltsville, Md.

PB L 75988. MCGOVRAN, E. R. and others. New controller cap of Westinghouse aerosol containers. Abstract of interim report. Contracts-M-1702 and M-4331. (OSRD CMR Tropical Diseases Rept 43, Abstract) Sep 1944. 1 p. Price: Microfilm-$1.00 - Photostat-$1.00
The effectiveness of the new aerosol cap when used for DDT aerosols against house flies and yellow fever mosquitoes is mentioned. From the Bureau of Entomology and Plant Quarantine, Beltsville, Md.

PB L 75989. MCGOVRAN, E. R. and others. Aerosol in soda syphon cartridges from Specialties Manufacturing Company, Inc., Abstract of interim report. Contract-M-1702. (OSRD CMR Tropical Diseases Rept 44, Abstract) Sep 1944. 1 p. Price: Microfilm-$1.00 - Photostat-$1.00
Abstract merely states that the syphon tube extending to the bottom of the soda syphon cartridge type of aerosol dispenser was found to materially increase the effectiveness of the aerosol generated. From the Bureau of Entomology and Plant Quarantine, Beltsville, Md.

PB L 75984. DECONIER, C. C. and others. SSBS and SBLY as an anopheline larvicide under laboratory conditions. Special report. Contract-M-1702. Feb 1943. 6 p. Price: Microfilm-$1.00 - Photostat-$1.00
Report compares the efficiency of a dust containing DDT (SSBS) and DDT (obtained from the recrystallization of SSBS) against Anopheles quadrimaculatus. The toxicity of DDT for Gambusia, goldfish, and warm blooded animals is under investigation. Tables are included. Report from the Orlando, Fla. laboratory, Bureau of Entomology and Plant Quarantine.

PB L 75983. DECONIER, C. C. and others. Tests of larvicidal aerosols containing SBLY. Contract-M-1702. Apr 1943. 4 p. Price: Microfilm-$1.00 - Photostat-$1.00
Laboratory and field tests with aerosols containing DDT are described. Methylene chloride was used as the carrier gas. Larvae of Anopheles quadrimaculatus were used in the tests. A table gives the results of the laboratory tests. From the Orlando, Florida, laboratory, Bureau of Entomology and Plant Quarantine.

PB L 75982. DEONIER, C. C. and others. Suggested methods of testing SBLY in the field as an anopheline larvicide. Contract M-1702. Jul 1943. 4 p. Price: Microfilm-$1.00 - Photostat-$1.00
To aid those workers who will be testing DDT, this report gives a brief description of the preparations now being tried under field conditions at the Orlando, Florida laboratory and suggests methods that may be useful in the field testing of this product. Some of the methods of testing used and herein suggested were adopted from those in use by the U.S. Public Health Service, Tennessee Valley Authority and others. Report from the Bureau of Entomology and Plant Quarantine.

PB L 75981. MAPLE, JOHN D. Larvicidal action of SBLY on Anopheles quadrimaculatus. Special report. Contract M-1702. Feb 1944. 13 p. Price: Microfilm-$1.00 - Photostat-$1.00
Studies were begun to determine how DDT affects the larvae of Anopheles quadrimaculatus and how a toxic dose is acquired from the various methods of application. A summary of the observations that have been made up to the present time is given in this report. Tables compare the rate of action of DDT in various diluents, in acetone suspension and in xylene emulsion. Report from the Orlando, Florida laboratory, Bureau of Entomology and Plant Quarantine.

PB L 76006. MADDEN, A. H. and others. The use of DDT residue sprays and finely atomized lists of the control of mosquitoes under jungle conditions. Abstract of interim report. Contract M-4331. (OSRD CMR Tropical Diseases Rept 26, Abstract) Jul 1944. 1 p. Price: Microfilm-$1.00 - Photostat-$1.00
This report gives the results of tests with DDT sprays applied in jungle-like areas at Cocoa, Florida, against adults of Aedes taeniorhynchus and A. sollicitans. From the Bureau of Entomology and Plant Quarantine.

PB L 76028. U.S. BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE. Insecticides and insect repellents developed for the armed forces at the Orlando, Fla., laboratory. Interim report, O-100. Contract M-4331. (OSRD CMR Tropical Diseases Rept 100) Jul 1945. 81 p. Price: Microfilm-$2.00 Photostat-$6.00
Investigations on insecticides and repellents for the armed forces were begun at the Orlando, Florida, laboratory early in 1942, and a number of materials have been recommended for practical application. The various material recommended and the methods of application suggested were first reported in a group in Tropical Diseases Report No. 7, issued March 7, 1944 (PB 75955), and again in the revised edition, Tropical Diseases Report No. 19 (PB 75963), issued May 30, 1944. The present report represents the second revision. Several thousand insecticides and repellents have been tested and hundreds of formulations have been studied. In this report only those materials and methods that furnish information for use in practical control operations are discussed. The information is presented in the following ten parts: (1) Introduction; (2) chemistry of DDT, other insecticides, and insect repellents; (3) DDT larvicides for the control of anophelines and other mosquitoes; (4) DDT insecticides for the control of adult mosquitoes, (5) airplane applications of DDT; (6) insecticides for the control of certain other insects; (7) control of human lice and scabies; (8) insect repellents; (9) protective measures against mites; and (10) toxicity of DDT, solvents, emulsifiers, activators, and other adjuvants mentioned in this report. Numerous photographs are included.

Ordnance Chemicals

*PB L 78234. MERRINGTON, A. C. and ROSSER, R. J. Investigation in Germany on methods of coating propellants and their use for reaction and fuel ejection systems. (BIOS Final Rept 378, Item 2,4) Apr 1946. 29 p. Price: Microfilm-$1.00 - Photostat-$2.00
This is a report on an investigation to discover the methods used in Germany for inhibiting the burning of propellent charges and to determine how the coated charges were employed in reaction units and for fluid ejection and pressurization devices. The information is arranged according to the targets visited and interrogation of leading men of inaccessible targets, during the tour. Drawings included.

PB A 79549. NORTHROP, JOHN H. Method for obtaining known low concentrations of mustard (H) or Lewisite (L) gas in air. OSRD Contract OEmsr-129. Dec 1941. 9 p. Price: Microfilm-$1.00 - Photostat-$1.00
Constant small quantities (0.1 - 100 micrograms per hour) of mustard or lewisite gases may be obtained by allowing the vapors to diffuse through a porous alundum plug of suitable dimensions. By regulating the rate of flow of air past the plug, known concentrations of the gases in air may be obtained. A table and diagram are included. Work performed under contract with the Rockefeller Institute for Medical Research, Princeton, New Jersey.

Analytical Chemistry

PB L 77393. KEHOE, ROBERT A. Analytical methods to be used for the determination of oxides of nitrogen, ammonia, and carbon monoxide in air atmospheres which also contain hydrogen. Contract OEMcmr-222, Monthly progress report no. 1, Nov 3, 1942. Nov 1942. 2 p. Price: Microfilm-$1.00 - Photostat-$1.00
Various methods for the determination of oxides of nitrogen were tested. All depend on the detection of NO_3 ion, following absorption of the gases in suitable absorbents, and followed by oxidation to nitrate. Ammonia in the air was determined by a direct Nessbrization. The best results for carbon monoxide determination were obtained by the iodine pentoxide method. A table shows the results obtained on several air samples at Ft. Knox.

PB L 77619. KRAHL, M. E. and VAN DYKE, H. B. A polarographic procedure for estimation of small quantities of antimony in biological materials. Contract OEMcmr-466. (OSRD CMR Tropical Diseases Rept 54) Jun 1945. 3 p. Price: Microfilm-$1.00 - Photostat-$1.00
A polarograph procedure has been applied to the estimation of 0.2-2.2 micrograms of antimony. The method is adaptable to larger quantities of antimony by use of smaller shunt resistance in the polarograph circuit. A simple method involving wet ashing with subsequent reduction by sodium hyposulfite is described for recovery of small quantities of antimony from serum. The data from two individual experiments are shown in Figure 1.

PB L 77817. HAREN, T. H. The microdetermination of antimony. Contract OEMcmr-163. (OSRD CMR Tropical Diseases Rept 53) Apr 1945. 4 p. Price: Microfilm-$1.00 - Photostat-$1.00

A procedure is given for the determination of 1-100 micrograms of antimony in blood or tissues up to 5 gm. and in urine or serum up to 50 gm. Report from Johns Hopkins University.

Chemical Engineering and Equipment

PB L 70180. I.G. FARBENINDUSTRIE A.G., HOECHST. Hydraulic milling machinery and various devices. (FIAT Microfilm Reel O-41, Frames 8726-9528) 1937-1944. 802 f. Price: Microfilm-$6.00 - Enlargement print-$80.50

This reel was prepared by FIAT investigators in Germany. Individual items are listed below and will be available as enlargement prints. Please include PB and frame numbers when ordering individual items. In German.

Frames	Title	Price
8726	Ein verbesserungsvorschlag fuer die tablettenabfuellvorrichtung (A suggested improvement for tablet packaging procedure). Jul 6, 1944.	$1.50
8727-8729	Versuche zum verdichten von pigmentfarbstoffen (Experiments to increase the density of pigment colors). Nov 4, 1940.	1.50
8730-8733	Kompressor fuer stickstoff (Compressor for nitrogen). Jun 8, 1943.	1.50
8734-8740	Erfahrungsaustausch ueber dampfstrahlluftsauger aus porzellan (Exchange of experiences with a porzelain steam-jet suction apparatus). Nov 4, 1940.	1.50
8741-8756	Versuche zur verstaerkung der saugwirkung an muehlenfeuerungen (Experiments for increasing the suction in mill furnaces). Jun 24, 1938.	2.00
8757-8773	Versuche mit einem dampfstrahlsauger beim absaugen von wasserdampfluftgemischen (Experiments with steam-jet suction apparatus for exhausting steam-air mixtures). Mar 21, 1938.	2.00
8774-8778	Einfluss stofflicher eigenschaften des mahlgutes auf zerkleinerungsvorgaenge (Influence of the characteristics of various materials to be ground with regard to the pulverization process). Mar 22, 1938.	1.50
8779-8787	Neuere entwicklung der schwingmuehle (New developments of the vibration mill). Jun 15, 1938.	1.50
8788-8797	Die rohrschwingmuehle (The oscillating tube mill). Apr 17, 1939.	1.50
8798-8816	Mahlversuche mit zementklinker auf einer rohrschwing-muehle (Experiments with cement clinker in an oscillating tube mill). Dec 3, 1940.	2.00
8817-8826	Scheibenschwingmuehler von Krupp und vergleich der bewegungsvorgaenge in der rohr- und scheibenschwingmuehle ("Krupp" oscillating disk mill and comparison of moving operations in the oscillating tube and disk mills). Nov 25, 1940.	1.50
8827-8848	Bewegungsvorgaenge in schwingmuehlen mit trockener und nasser mahlkoerperfuellung (Moving operations in oscillating mills with dry and wet material to be ground). 1940.	2.50
8849-8859	Farbmuehlen (Pigment grinders). Jun 21, 1938.	1.50
8860-8866	Erfahrungsaustausch fuer turbokompressoren (Exchange of information on turbo compressors). Sep 28, 1940.	1.50
8867-8875	Betriebserfahrungen mit dem Voith-Stauberkompressor (Operating experiences with the "Voith-Stauber" compressor). Dec 5, 1938.	1.50
8876-8880	Erfahrungsaustausch fuer wasserstoffabfuellerei (Exchange of information on bottling of hydrogen). Sep 29, 1937.	1.50
8881-8883	Erfahrungsaustausch ueber katalysatordosierung (Exchange of information on addition of catalysts). Nov 7, 1938.	1.50
8884-8893	Erfahrungsaustausch zur entleerung von ortsfesten kesseln (Exchange of information on emptying of stationary vessels). Oct 20,1942.	1.50
8894-8920	Die entwicklung einer gebrauchsfaehigen porzellanpumpe (The development of a practical porcelain pump). Jul 30, 1942.	3.00
8921	Ein neuer greifer zum heben von lasten (A new claw for the lifting of loads). Jan 15, 1944.	1.50
8922-8932	Theoretische und praktische untersuchung der vorgaenge in strahlapparaten (Theoretical and practical examination of jet apparatuses). May 10, 1937.	1.50
8933-8946	Erfahrungsaustausch ueber hydraulisches gestaenge (Exchange of information on hydraulic rods). Mar 23, 1944.	1.50
8947-8951	Erfahrungsaustausch ueber eine kreiselpumpe (Exchange of information on a centrifugal pump). Nov 24, 1938.	1.50
8952-8954	Erfahrungsaustausch fuer die foerderung von schwefelkohlenstoff mittels kreiselpumpen (Exchange of information on pumping carbon disulfide with centrifugal pumps). Aug 12, 1937.	1.50
8955-8983	Trennung von korngemischen durch windsichtung (Separation of grain mixtures by air sifting). Aug 8, 1938.	3.00
8984-9041	Das auswaschverfahren fuer essigsaeure-wasser mit benzol oder ketonen (Extraction of acetic	

acid from water with benzene or ketones). Jan 10, 1940. 5.00

9042-9049 Extraktion von pyridin-wasser mit benzol mit der gegenstromfuellkoerperkolonne (Extraction of pyridine water with benzene by means of the counter current packed column). Mar 23, 1938. 1.50

9050-9099 Referat ueber absorption und extraktion (Report on absorption and extraction). Oct 25, 1938. 5.00

9100-9104 Staubbekaempfung von farbstoffpulvern (Dust control of powdered dyes). Aug 7, Jul 26, 1939. 1.50

9105-9119 Ruehrversuche (Stirring tests). Sep 17, 1937. 1.50

9120-9126 Allgemeine betrachtung ueber siebe (General information on screens). Feb 28, 1939. 1.50

9127-9235 Entwicklung des wirbelsichters zur trennung von korngemischen (Development of the whirl-sifter for the separation of grain mixtures). Feb 16, 1938. 1.50

9236-9243 Zerteilen von luft in flessigkeiten (Distribution of air in liquids). Jun 15, 1944. 1.50

9244-9273 Analytische betrachtungen ueber die wirksamkeit der begasung von fluessigkeitssaeulen (Theoretical considerations on the effect of bubbling air through liquids). Sep 21, 1943. 3.00

9274-9300 Ueber die gasverteilung in fluessigkeitssaeulen (schachtrohren) (The distribution of gas in liquid columns (distilling columns). Nov 12, 1940. 3.00

9301-9333 Versuche in einer stroemungsapparatur ueber die gasverteilung un fluessigkeitssaeulen (Experiments on the distribution of gas in liquid columns). Jan 25, 1940. 3.50

9334-9362 See frames 9274-9300. 3.00

9363-9394 Physikalisch-chemische untersuchungen ueber die emulsionpolymerisation (Repetition of frames 9274-9300) (Physical-chemical- investigation of emulsion polymerization). Dec 1937. 3.50

9395-9404 Knetpumpen und pastenaufgabevorrichtung (Kneading pumps and paste feeding device) 1938. 1.50

9405-9410 Aethylen-oxyd-kondensationsprodukte als dispergiermittel (Ethylene oxide condensation products as dispersive medium). Feb 25, 1938. 1.50

9411-9412 Kurzbericht ueber korrosionspruefungen fuer die phenolapparatur (Short report on corrosion tests for phenol apparatus). May 23, 1939. 1.50

9413-9422 Die loesungstheorie der emulsionspolymerisation (The theory of polymerizing emulsions). Mar 19-May 3, 1938. 1.50

9423-9434 Erfahrungsaustausch zwecks errichtung einer loesestation fuer kochsalz (Exchange of information on installations for solutions of common salt). Dec 29, 1937. 1.50

9435-9457 Stand der farbstoff-filtration und zentrifugierung (Filtration and centrifugation of dyes). Aug 19, 1938. 2.50

9458-9465 Filtrieren von chrom-hydroxyd und kupferkarbonatloesungen (Filtration of chromium hydroxide copper carbonate solutions). May 24, 1938. 1.50

9466-9470 Erfahrungsaustausch fuer die durchmischung von schlamm mit fluessigkeit waehrend der filtration (Exchange of information on the mixing of sludge with liquids during the filtration). Oct 5, 1943. 1.50

9471-9510 Die verwendung von drehfiltern in Leverkusen (The use of rotary filters at Leverkusen). Jun 13, 1941. 4.00

9511-9520 Filtrieren des waescherschlammes mit einem drehfilter (Filtering of the flushing slurry with a rotary filter). Sep 29, 1937. 1.50

9521-9528 Betonnutschen und berechnung des auswaschvorganges auf nutschen (Concrete suction filters and calculation of the washing procedure on suction filters). May 23, 1938, Feb 13, 1942. 1.50

PB L 70180-S I.G. FARBENINDUSTRIE A.G., HOECHST. Hydraulic milling machinery and various devices. (FIAT Microfilm Reel O-41, Frames 8726-9528, abstract cards) 1937-1944. 49 p. Price: Microfilm-$1.00 - Photostat-$4.00
Brief abstracts of individual items on the above reel were prepared by FIAT personnel in Germany.

ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES

Communication Equipment

PB L 17964. U.S. BUREAU OF ENGINEERING. Model TAB-3 radio telegraph transmitter. Instructions. (Manufactured by Westinghouse Electric and Manufacturing Co.) (Westinghouse Instruction Book 5511) 1929. 33 p. Price: Microfilm- 50¢ - Photostat-$3.00

PB L 18102. U.S. BUREAU OF ENGINEERING. Model TAI radio telegraph transmitting equipment. Instruction book. (Manufactured by Westinghouse Electric and Manufacturing Co.) (Westinghouse Instruction Book 5603) Nov 1930. 39 p. Price: Microfilm- 50¢ - Photostat-$3.00

Communication Equipment (contd)

PB L 78605. U.S. WAR DEPT. Installation of radio and interphone equipment in tank recovery vehicle T2. (Tech Manual 11-2703) Jun 1944. 27 p. Price: Microfilm-$1.00 - Photostat-$2.00

This manual provides methods and procedures, based upon actual field experience, for installation of radio and interphone equipment in Tank Recovery Vehicle T2. Items required to make a complete operating installation are listed for each radio set and interphone equipment. Drawings and wiring diagrams included.

PB L 78612. U.S. WAR DEPT. Public address set AN/UIQ-1. (Tech Manual 11-2506) May 1944. 44 p. Price: Microfilm-$1.00 - Photostat-$3.00

This War Department Technical Manual contains the general description, installation and operation, maintenance instructions and supplementary data on Public Address Set AN/UIQ-1. Drawings, photographs, part lists and circuit and wiring diagrams included.

Electronics

*PB L 77717. ANDERSON, C. A. and others. Photosurfaces: A report on German developments of photocells, electron multipliers, television pick-up tubes. (BIOS Final Rept 530, Item 9) Feb 1947 69 p. Price: Microfilm-$2.00 - Photostat-$5.00

This report is in three parts. An account is given in section 1 of the information obtained concerning the processes used to obtain photoelectric emission, either in photoelectric cells of the emissive type or in secondary electron multipliers. The manufacturing processes for television pick-up tubes described in section 2 are very similar to the commonly known methods employed in England and America, although several novel methods were observed in the field of antimony-mosaics. Section 3 covers image converters. German technique for forming the infrared sensitive transparent silver-caesium photo-cathode presents no very novel features. The general use of a movable evaporator in image converters as well as in television tubes and photocells is notable as it makes for a very clean and simple tube structure.

* PB L 79446. BOLT, F. D. H.F. instruments and measuring techniques. (BIOS Final Rept 1228, Item 7, 9) n.d. 31 p. Price: Microfilm-$1.00 - Photostat-$3.00

This document is a report of four British investigators on visits to the Allgemeine Elektricitäts Gesellschaft works in Hanburg and Stuttgart, the Telefunken A.G. in Hamburg, Stuttgart and Berlin, the electrical department of the University of Kiel, the firm of Hartmann & Braun, Frankfurt, the Lumophone at Nürenberg, Rohde & Schwarz, Munich, the Light Technical Institute at Karlsruhe, the Kaiser Wilhelm Institute, Karlsruhe, and Siemens & Halske A.G., Berlin. It contains the results of the investigators conferences with leading officials of the firms or institutions particularly on their work in the field of electronics. Specific information is offered on signal generators, scale marking and treating, attenuators, RF switches, a standing wave indicator, a pulse generator, a panoramic receiver, an electrostatic voltmeter, capacity bridges, RF bridges and a quartz crystal clock.

PB L 77752. CALIFORNIA UNIVERSITY. DIVISION OF WAR RESEARCH. Blanking and screening by surface wakes. (Rept UCDWR M38) Mar 1943. 6 p. Price: Microfilm-$1.00 - Photostat-$1.00

This report presents the results of research in the so-called "screening" and "blanking" of the sonar echo from a target by the presence of an intervening surface wake. The effect of the wake is expressed in the degree of attenuation of a buoy echo of varying frequency. Graphs included.

PB L 77769. EYRING, CARL. F. Reverberation studies. Progress report. Feb 1942. 3 p. Price: Microfilm-$1.00 - Photostat-$1.00

This report discusses the results of reverberation studies of the ocean in two frequencies — one and twenty-four kilocycles made in the vicinity of San Diego harbor, in ocean depth as great as 600 fathoms. It describes the method used in the studies and presents conclusions as far as such conclusions can be made from the data obtained up to the time of the report.

PB L 68002. GALES, ROBERT S. Auditory masking in sonar listening systems. n.d. 1 p. Price: Microfilm-$1.00 - Photostat-$1.00

This report presents the results of research carried out by the University of California Division of War Research under Contract OEMsr-30 with the Office of Scientific Research and Development on the recognition differential for many different combinations of underwater signals and background noises. Specifically, it outlines the sphere of usefulness of the recognition differential.

PB L 61647. LILIENTHAL-GESELLSCHAFT FÜR LUFTFAHRTFORSCHUNG, BERLIN. Fachgruppe für flugfunkwesen (Group on aircraft radio). (Tagungsbericht 073/007) Mar 1937. 130 p. Price: Microfilm-$3.00 - Photostat-$9.00

This document is a report on the session of the Lilenthal Society for Aviation Research held March 18, 1937 in Berlin. It contains the text of papers presented by its members and discussions following the presentation. Titles of papers: Ultrashort-wave propagation; Ultrashort-wave field strength calculation; Radiation field in the vicinity of a quarter-wave directional antenna; Regions causing interference in radio receivers and radio direction finders; Review of experiences with short-wave radio service of the Lufthansa; Experiences with pulse and Adcock indirect direction finding; Investigations into direction finding with simple loop antennas; Summary of experiences with direction finding in the German Lufthansa; State of the development work on low altitude meters; Electric altimeter for landing operations; and An echo-sounding method. Charts, diagrams, and graphs are included. In German.

PB L 61451. PUNGS. Untersuchung zum empfang ultrakurzer wellen mit zwischenfrequenz (Investigations with regard to the reception of ultra short waves with intermediate frequency. First & second intermediate report) (ZWB Forschungsbericht 392/1-2) Jul 1935. 44 p. Price: Microfilm-$1.00 - Photostat-$3.00

These are reports of the "Institut für Fernmelde- und Hochfrequenztechnik an der Technischen Hochschule, Braunschweig describing an apparatus operated by simple means to guarantee good reception and low sensitivity. While the first report relates to a rather general apparatus, the second study investigates a receiving unit for aeronautical purposes. Graphs and schematics illustrate these German reports.

* PB L 79558. RANGER, RICHARD H. Further studies in magnetophones and tapes. (FIAT Final Rept 923)

May 1947. 133 p. Price: Microfilm-$3.00 - Photostat-$9.00 (Limited supply mimeo $3.50)
This report gives information on the manufacture of three types of acetate tape for use with the magnetophone system of sound recording and for the type K7 magnetophone are also discussed and there are included circuit diagrams for both the K7 and the K7 as modified by the Rundfunk Laboratories for broadcast use. The K7 magnetophone is discussed and several uses of this equipment are described. Photographs, drawings, and circuit diagrams included.

PB L 61875. SCHOTTKY, W. Zusammenfassende bearbeitung der bisherigen experimentellen ergebnisse zu einer theorie der phosphore (Summarization of present results of experiments into a theory of phosphors). (ZWB FB 1972/2)
Oct 1944. 71 p. Price: Microfilm-$2.00 - Photostat-$5.00
Mathematical treatment of fluorescence phenomena with the view of developing a unified theory of phosphors. In German. The report was prepared by Siemens & Halske A. G.

PB L 67754. TELEFUNKEN GESELLSCHAFT FÜR DRAHTLOSE TELEGRAPHIE M.B.H., BERLIN. Standortberichtigungs-gerät type: spez. 2135 N (Position fixing equipment, type: special 2135 N). May 1946. 3 p. Price: Microfilm-$1.00 - Photostat-$1.00
This document contains the description and instructions for the use of a device for correcting errors in direction finding operations. It consists in principle of a transparent sheet imprinted with a compass card and a distance meter scaled according to the map used. Photograph included. In German.

* PB L 77691. THIESSEN, G. J. Hochfrequenz Forschungs Institut of Dr. Plendl, Thumersbach, Austria. (BIOS Final Rept 204, Item 1, 9) Sep 1945. 5 p. Price: Microfilm-$1.00 - Photostat-$1.00
This report presents a brief description of a radar receiver and receiver of infrared radiations developed by the Institute. Its most interesting feature seems to be very high sensitivity. Drawings included.

PB L 78615. U.S. WAR DEPT. Modulators (Wilcox Electric types 50A and 50A3). (Tech Manual 11-2650)
Nov 1945. 111 p. Price: Microfilm-$3.00 - Photostat-$8.00
This technical manual contains a description and operating and maintenance instructions for Wilcox Electric types 50A and 50A3 Modulators. The cabinet of either of these two instruments contains a modulator, an amplifier capable of 100% modulation of one 2,000 to 2,400 watt radio transmitter. In addition, the cabinet contains a dialing unit and auxiliary control relay unit for use with remote control equipment, and a separate filter choke and modulation transformer. The dialing unit and control relay unit are provided for switching the modulator to any one of a number of transmitters under control of equipment located at a remote point. The equipment is intended primarily for point-to-point and ground-to-air communications. Photographs, drawings, circuit and wiring diagrams included.

Generators, Motors, Transmission, Distribution and Allied Equipment

PB L 76753. LINCKH, H. E. and RUMP, W. Untersuchung von werkstoffen für widerstandspotentiometer. Zwischenbericht: Abnutzungsversuche an widerstandspotentiometer (Investigation of materials for potentiometers. Interim report: Wear and tear experiments with potentiometers). (ZWB FB 1219/1) Dec 1939. 8 p. Price: Microfilm-$1.00 - Photostat-$1.00
This report gives the results of experiments made on potentiometers in order to determine the wear and tear resistance of several types of material used for contacts and proposes the substitution of rolling contacts for sliding contacts. Photographs and diagrams included. In German.

PB L 61916. LINCKH, H. E. and RUMP, W. Untersuchung von kontaktwerkstoffen. 2. Zwischenbericht. Messung des Übergangswiderstandes von kontakten nach lagerung in tropenraum. (Investigation of contact materials. 2. Intermediate report. Measurement of resistance of contacts following storage in tropical climate). (ZWB FB 1219/3)
Jul 1940. 42 p. Price: Microfilm-$1.00 - Photostat-$3.00
This report describes the equipment used in the measurement of resistance of contacts after prolonged storage under tropical conditions and the results of these measurements. Several types of contact material were used and the contact pressure changed from case to case. Photographs and diagrams included. In German.

PB L 61464. LINCKH, H. E. and KRAPF, E. Untersuchung von kontaktwerkstoffen. 3. Zwischenbericht. Das schweissen beim einschalten von abhebekontakten (Investigation of contact materials. 3. Intermediate report. Welding by use of lifting contacts) (ZWB FB 1219/4) Aug 1941. 38 p. Price: Microfilm-$1.00 - Photostat-$3.00
This document is a report on the results of experiments conducted for the purpose of finding materials which would be most suitable for use as electric contacts. Especially stressed was absence of melting and evaporation during the contact period due to sparking. Photographs, drawings and diagrams included. In German.

PB L 78607. U.S. WAR DEPT. Master power meter panel. (Tech Manual 11-2510) Jul 1944. 16 p. Price: Microfilm-$1.00 - Photostat-$2.00
The master power meter panel is designed for use with power generating equipment rated at 240 volts, 3 phase, 3 wire; or 3-phase, 4-wire, 60-cycle alternating current. When a group of two or four power units of 50 kilowatts out-put are operated in parallel, the master power meter panel provides a means for measuring the output frequency, voltage, and current in each phase lead. A subpanel, designated as the current transformer selector panel, permits the selection of a set of current transformers suitable for reading current rated at 0 to 300 amperes, or 0 to 600 amperes. Photographs and wiring diagrams included.

PB L 78606. U.S. WAR DEPT. Rectifiers (Wilcox electric types 36A and 36A4) (Tech Manual 11-2666)
Nov 1945. 89 p. Price: Microfilm-$2.00 - Photostat-$6.00
This manual presents a description, operating and maintenance instructions. Rectifiers (Wilcox Electric types 36A4 and 36A) are single units containing four separate rectifier power supplies. These power supplies include a 4,000-volt plate supply, a 2,000-volt plate supply, a +500-volt plate supply, and a -500-volt bias supply. The rectifiers also contain a 12-volt supply for operation of the rectifier and associated transmitter equipment relays. The power rating of the rectifiers is sufficient to supply the power requirements of several associated transmitters and modulators. In

Generators (contd)

addition to the power supplies, the rectifiers contain part of the relay equipment for the remote selection and keying of the associated transmitter channels. Photographs and wiring diagrams included.

Electrical, Miscellaneous

PB L 79581. CARTER, E. Electric cable, wire insulating and braiding machine industry. (BIOS Final Rept 1341, Item 22, 31) Apr 1946. 39 p. Price: Microfilm-$1.00 - Photostat-$3.00
This document is a report of a British team of investigators on the status of German electric cable, wire insulating and braiding machinery manufacture at the close of the war. It describes visits to 14 German factories engaged in this type of machinery manufacture and deals particularly with braiding and plaiting machines, cable drying and impregnating plants, electric cable and insulating wire machines and rubber machinery, including rubber extruding machines. Drawings and photographs included.

PB L 79573. EVANS, E. J. Public address industry, hearing aids, and acoustics in Germany. (BIOS Final Rept 868, Item 1, 7, 9) Feb - Mar 1946. 22 p. Price: Microfilm-$1.00 - Photostat-$2.00
This document is a report of a group of British investigators on their findings in regard to German public address work, including developments in the field of hearing aids and general acoustic research. The party examined 33 targets, including industrial establishments, research institutions, radio stations and public address installations. Most of the equipment and work seen was on pre-war lines and already described in pre-war publications there having been no significant developments since 1939, according to the investigators.

PB L 79594. KNOOP, OTTO M. Lightweight electric light wiring devices and conduit manufactured by the Germans for export. (FIAT Final Report 887) May 1947. 18 p. Price: Microfilm-$1.00 - Photostat-$2.00. (Limited supply mimeo $.75)
The latest designs and production methods of principal electrical installation equipment manufactured for export, such as normal Edison screw-base brass shell sockets, and surface toggle switches are summarized. Production methods for a light weight insulated electric conduit (Bermann process) are described. Drawings and photographs included.

FOOD AND KINDRED PRODUCTS

PB L 77511. FENTON, FAITH. To determine the losses of nutritive value of foods through processing and cooking in order to determine whether vitamin supplements are needed for our overseas forces. Contract OEMcmr-246. Annual report no. 1. Oct 15, 1943. 55 p. Price: Microfilm-$2.00-Photostat-$4.00
This final report gives the results of experiments with raw, cooked, or otherwise prepared dehydrated cabbage, cooked dehydrated carrots, canned peas, canned tomatoes, and boiled, steamed, and mashed potatoes. Tables show the vitamin losses of ascorbic acid, thiamin, riboflavin, niacin, and, in the case of carrots and canned tomatoes, carotene. The palatability of the prepared foods was also noted. Bibliography. From the State College of Home Economics, Cornell University, Ithaca, N. Y.

PB L 77513. FENTON, FAITH. To determine the losses of nutritive value of foods through processing and cooking in order to determine whether vitamin supplements are needed for our overseas forces. Contract OEMcmr-246. Interim report (second annual). Abstract. Oct 1944. 4 p. Price: Microfilm-$1.00 - Photostat-$1.00
This abstract deals with the effects of different methods of preparation upon fresh potatoes, dehydrated potato shreds and sulfited and unsulfited dehydrated cabbage. The losses of ascorbic acid, thiamin, riboflavin, and niacin are noted. From the College of Home Economics, Cornell University.

PB L 77514. FENTON, FAITH. To determine the losses of nutritive value of foods through processing and cooking in order to determine whether vitamin supplements are needed for our overseas forces. Contract OEMcmr-246, progress reports 1-7, 9-20, Nov 1, 1942 - Jan 1, 1946. Jan 1946. 88 p. Price: Microfilm-$2.00 - Photostat-$6.00
These progress reports deal with the same vegetables and cooking procedures as are dealt with in Annual Report No. 1, PB 77511. Tables record vitamin losses. The methods of analysis are also described. From the State College of Home Economics, Cornell University. Several pages will not reproduce well.

INSTRUMENTS (PROFESSIONAL, SCIENTIFIC AND CONTROLLING)

PB L 61937. CLASEN, J. Der dynamische, elektrische DVL-dehungsmesser (The dynamic electrical extensometer). (ZWB UM 432) Feb 1937. 13 p. Price: Microfilm-$1.00 - Photostat-$1.00
This document describes an extensometer working on the principle of transmuting variations due to expansion of an object into variations of inductivity by means of a variable coil. The inductivity variations are made to modulate a carrier wave connected to an oscilliograph. Photographs, drawings and circuit diagrams included. In German.

PB L 79224. DUNHAM, C. R. and others. Industrial electronic control. (BIOS Final Rept 1198, Item 9, 31) n. d. 41 p. Price: Microfilm-$1.00 - Photostat-$3.00
This document is a report of a British team of investigators on the development of industrial electronic control during the war years in Germany as determined by interviews with the personnel of 25 German electrotechnical firms. It is subdivided into reports on motor control, voltage control, electric welding control, guaging, counting, sorting and color registration, telemetering, weighing, temperature control, mechanical testing and pressure measurement, control of ignition systems for internal combustion motors and miscellaneous special instruments. A number of circuit diagrams are included.

PB L 67735. KREISEL. (Gyroscope). n.d. 5 p. Price: Microfilm-$1.00 - Photostat-$1.00
This document presents a calculation of the power and motion of a gyroscope. In German.

Instruments (contd)

PB L 67737. DER KREISEL. (The gyroscope). n.d. 4 p. Price: Microfilm-$1.00 - Photostat-$1.00
Calculation of the gyroscope moment as applied to a gyro-compass. In German.

* PB L 78202. KUSTERS, N. L. P. J. Kipp en Zonen. (BIOS Final Rept 415, Item 27) Mar 1947. 3 p. Price: Microfilm-$1.00 - Photostat-$1.00
This report covers a visit to the Kipp plant at Delft, Holland. The firm manufactures scientific instruments such as: galvanometers, vacuum thermocouples, thernopiles, bolometers, photometers, spectrographs and monochromators. A brief description of some of the instruments is given.

* PB L 77148. LLEWELYN, A. I. German precision instrument potentiometers and resolver elements used in computer and remote control applications. (BIOS Final Rept 864, Item 1, 7) Nov 1945. 142 p. Price: Microfilm-$3.00 - Photostat-$10.00
The scope of the investigations was intended to cover precision computing and control in such applications as fire control, bombing, navigational aids, remote control and data transmission systems on guided missiles, etc.. More specifically within this field the objective was limited to cover the precision elements used, e.g. potentiometers, selsyns, generators, servos, tacho generators, and specialized units such as gyro units and resolver mechanisms. Detailed information was sought on their performances, accuracy and construction and, whenever possible, on the latest trends of German technique and ideas. Seventeen factories were visited and a detailed report on each factory is given. A report, translated from the German, detailing characteristics of specially developed potentiometer wire is included as Appendix A. Appendix B gives further information on Zeiss potentiometer development. Sketches, drawings, wiring diagrams, graphs, and photographs are included.

* PB L 78226. MARSHALL, F. F. and FAIRFOUL, W. E. Krupps, Essen and incorporating information on Luftfahrtgerätewerke, Hakenfelde, Berlin and activities by Dudenhausen at Rietberg. (BIOS Final Rept 286, Item 25) Mar 1946. 7 p. Price: Microfilm-$1.00 - Photostat-$1.00
This report, made by a team of British investigators, is divided into two parts. One deals with the results of a visit to Krupp's at Essen made for the purpose of obtaining drawing equipment, especially drafting machines unobtainable in the United Kingdom. This includes also information on the organization of Krupp drafting rooms and draftsman apprentice training. The second part is devoted to information secured by the team on the Siemens Auto Pilot K. 23.A. on the occasion of their visit to Rietberg.

* PB L 79134. STARK, W. A. D. German drawing instrument industry. (BIOS Final Rept 1289, Item 35) Apr 1947. 81 p. Price: Microfilm-$2.00 - Photostat-$6.00
This report covers investigation of fifteen instrument makers in Germany. A detailed report is given for each factory visited including description of the plant, its products, manufacturing methods and machinery employed. Present and prewar employee's and rates of pay are also given. Photographs, illustrations and sketches are included.

PB L 78611. U.S. WAR DEPT. Instructions for modulated audio frequency radiosonde observations (WBAN RAOB Manual). (Tech Manual 11-2424) Feb 1945. 149 p. Price: Microfilm-$3.00 - Photostat-$10.00
The radiosonde consists of a set of meteorological instruments combined with a small radio transmitter and assembled in a small cardboard box. The assembly is carried aloft by a free balloon. During the observation, values indicating the pressure, temperature, and relative humidity of the air are transmitted to the ground receiving station where they are automatically recorded. At the extreme altitude, the balloon bursts and the radiosonde descends to the surface of the earth on a small parachute. Photographs, tables and drawings included.

MACHINERY (EXCEPT ELECTRICAL)

* PB L 78654. ANDERSON, E. F. Compressed air turbine developed by Karlsruhe technical high school. (BIOS Final Rept 444, Item 19, 27, 31) May 1946. 4 p. Price: Microfilm-$1.00 - Photostat-$1.00
This document contains a report on the inspection of a compressed air turbine developed by the Technical High School at Karlsruhe, and a brief evaluation of its qualities.

* PB L 77703. BARLOW, F. G. and others. Bayerische Motoren Werke (B.M.W.), Oberwiesenfeld, Munich and Allach, near Munich. (BIOS Final Rept 141, Item 26) Jul - Aug 1945. 8 p. Price: Microfilm-$1.00 - Photostat-$1.00
This report on the visit to the Bayerische Motoren Werke is limited to brief observations on the motor testing equipment which was found in profusion and to be of modern nature, especially hangar test beds, and on the light alloy foundry run by the firm both for production and development of engines. Photographs included.

* PB L 78216. BARTON, L. H. G. Some machines used in the German bacon, ham and sausage industries. (BIOS Final Rept 1107, Item 31) Mar 1947. 21 p. Price: Microfilm-$1.00 - Photostat-$2.00
In the course of this investigation of four German factories certain machines were found to possess new features likely to be of value to the bacon, ham and sausage and allied industries in GI Britain. Two machine which presented novel features were examined at a sausage factory in Hamburg. One was a mincer (grinder) which embodied a spiral feed to the main screw. The other was a de-rinding machine for fat sides, backs, and bellies. A description and photographs of these machines are given in this report. Another machine of possible interest was an electrically operated sausage filling machine having a gear driven piston in contrast to the hydraulically activated piston in common use.

* PB L 79190. BRITISH INTELLIGENCE OBJECTIVES SUB-COMMITTEE. Report on the Bothner and Voigtländer self-centring edging machines. (BIOS Final Rept 1347, Item 9) May 1946. 35 p. Price: Microfilm-$1.00 - Photostat-$3.00
Two self-centering lense-edging machines were evacuated from Germany to London, one of the Bothner type, the other of the Voigtländer type. This document contains a description of the construction and performance of these machines after they had been subjected to thorough testing in London, and a comparison between the two types. Drawings and photographs included.

* PB L 78230. BUTLER, V. N. and others. Report on prototype manufacture of German jet propulsion and gas tur-

Machinery (contd)

bine engines. (With special reference to blade-making machinery). (BIOS Final Rept 231, Item 8,31) Apr 1946. 34 p. Price: Microfilm-$1.00 - Photostat-$1.00

This report is the result of a visit to 5 German plants to investigate manufacturing methods as applied to gas turbines with particular reference to small batch production of experimental units, further to compare their resources and facilities with those set up in Great Britain. The report describes machinery used in the visited German plants, including special-purpose machinery used for the production of propeller blades for all German gas turbines and jet engines. Drawings included.

PB L 77702. GOWLEY, W. L. and ROBSON, D. A. L. Air and oil filtration in Germany. (BIOS Final Rept 146, Item 26, 31) Aug 1945. 12 p. Price: Microfilm-$1.00 - Photostat-$1.00

Information contained in this report was secured by interrogation of a number of officials of the firm of Mann & Hummel, Ludwigsburg, Germany. It includes filters made by the firm and the laboratory and testing methods employed. Filters of particular interest were (a) a new type of air cleaner using crude cleaning by centrifugal action followed by fine cleaning by multiple finger-like filters of rabbit hair for which 100% efficiency is claimed, (b) new types of woven wire fuel filter and oil filter, and (c) a new type of air filter in which the dust in the air is transferred to oil by mixing in an oil bath in a whirlpool. Accounts are given of the method employed by the firm for measuring the overall efficiency of air filters and of the type and grading of the standard dust employed. Efficiency tests are not made on oil and fuel filters but measurements of pressure drop only are taken. Graphs and photographs are included.

PB L 77812. PRITCHARD, J. C. and others. Domestic heating in America: A study of heating, cooking and hot water supply in small houses in the United States of America and Canada. (British Commonwealth Scientific Office Rept 18-35-57) 1946. 152 p. Price: Microfilm-$4.00 - Photostat-$11.00

This is a report of a joint party from the Ministry of Fuel and Power and the Department of Scientific and Industrial Research. Photographs and sketches of heaters are included.

MEDICAL RESEARCH AND PRACTICE, INCLUDING CLINICAL APPLICATION OF DRUGS AND PHARMACEUTICALS

PB M 77653. MUDD, STUART. Dysentery vaccine. Contract no. OEMcmr-120. Annual report. (OSRD CMR Infectious Diseases Rept 18) Aug 1944. 4 p. Price: Microfilm-$1.00 - Photostat-$1.00

Summary: (1) Use of a vaccine containing selected type-specific strains has been shown to be more efficacious than use of group reactive strains. (2) Vaccines in mineral oil emulsion seem to show definite promise of reduced acute toxicity and prolonged immune response. (3) Attempts to reduce the toxicity of the dysentery antigen without corresponding decrease in the antigenicity utilizing biological agents have not been successful.

PB M 77652. MUDD, STUART. Dysentery vaccine. Contract OEMcmr-120. Progress reports 1-16, 18-22, May 1, 1942 - Jun 1, 1945. May 1942 - Jun 1945. 42 p. Price: Microfilm-$1.00 - Photostat-$3.00

A series of progress reports during the development of a vaccine for "Cosmopolitan" strain, Karim Khan, and other strains, of Flexner dysentery bacilli. Mice, rabbits, and humans were used in its development.

PB M 77452. STEELE, J. MURRAY. Sensitivity of the carotid sinus to anoxia. Contract OEMcmr-130. Monthly progress reports 1-7, Apr 30, 1942 - Dec 22, 1942. Dec 1942. 9 p. Price: Microfilm-$1.00 - Photostat-$1.00

A series of progress reports on aviation medicine.

PB M 77650. MILLER, BENJAMIN F. and others. Cationic soaps. Contract OEMcmr-136. Annual report. Abstract. (OSRD Infected Wounds and Burns Rept 6) May 1943. 1 p. Price: Microfilm-$1.00 - Photostat-$1.00

This report from the University of Chicago is an abstract of the annual report, cationic soaps (germicidal detergents) such as Phemerol and Zephiran in 1% aqueous solution produce a kind of "bacteria-proof" film on hands with the following properties: (1) prevents the release of bacteria for periods up to 3 hrs., and it is remarkably resistant to mechanical disintegration. The film can be broken by exposure to anionic soaps and large volumes of water, (2) the film has a highly germicidal outer surface, and hands treated with the cationic soaps kill organisms applied to them, (3) The detergent film is a highly effective supplement to the usual surgical pre-operative brush-up, and (4) the films remain relatively intact when used on bare hands during bloody operations on experimental animals.

PB M 77649. MILLER, BENJAMIN F. and others. Chemical properties of synthetic detergents. Contract OEMcmr-136: M-1078. Final report. Abstract. (OSRD Infected Wounds and Burns Rept 3) Oct 1943. 1 p. Price: Microfilm-$1.00 - Photostat-$1.00

Abstract of final report from University of Chicago where it was demonstrated that cationic soaps such as Phemerol and Zephiran, in 1% aqueous solution, produce a kind of "bacteria-proof" film on hands. Phemerol solutions could be applied repeatedly to hands without evidence of local or systemic toxicity. They may not be used as general disinfectants since they do not form films on such materials as flooring, tiles, table tops, etc..

PB M 77651. MILLER, BENJAMIN F. Germicidal detergents. Contract OEMcmr-136, and M-1078. Progress reports 3-10, Aug 1, 1942 - Sep 1, 1943, and supplementary report Sep 1, 1943. Aug 1942 - Sep 1943. 22 p. Price: Microfilm-$1.00 - Photostat-$2.00

A series of progress reports of work done at University of Chicago on germicidal soaps (detergents). See PB 77650, abstract of annual report, and PB 77649, abstract of final report.

PB M 77647. KNIGHT, C. A. and others. Studies on influenza virus carried out during the period Jun 1, 1942 to May 31, 1943. Final report. Abstract. Contract OEM cmr-156. (OSRD Infectious Diseases Rept 7) Jun 1943. 2 p. Price: Microfilm-$1.00 - Photostat-$1.00

Report of work done at the Rockefeller Institute for Medical Research on studies on the concentration and purification of influenza virus by 4 general methods - (1) differential centrifugation, (2) absorption on an elution from adult chicken red cells, (3) extraction of the precipitate formed on freezing and thawing of allantoic fluid, and (4) absorption on and elution from embryonic chick red cells.

PB M 77648. STANLEY, WENDELL M. Influenza virus. Contract M1197, M1201 and OEMcmr-158. Progress reports 1-4, 6-18, Jun 30, 1942 - Apr 1, 1945. Jun 1942 - Apr 1945. 29 p. Price: Microfilm-$1.00 - Photostat-$2.00
Series of progress reports on the concentration and purification of influenza virus. See abstract final report PB 77647.

PB M 77192. TAYLOR, F. H. L. and MINOT, GEORGE R. The study of certain labile plasma constituents, with special reference to the preservation of plasma. Final report. Contract OEMcmr-162. (OSRD CMR Blood Substitutes Rept 33) Sep 1944. 4 p. Price: Microfilm-$1.00 - Photostat-$1.00
A historical account is given of Contract OEMcmr-162. The results of the work under this contract are briefly summarized, the work covering the following: (1) Comparison of the preservation of the active globulin components of liquid and frozen plasma and plasma desiccated from the frozen state; (2) medium for reconstitution of desiccated plasma; (3) liquid plasma after aging; (4) prothrombin stability; (5) control of commercial preparations; (6) effect of glucose on preservation of plasma; (7) osmotic effect of therapeutic plasma; (8) changes in the peripheral blood in burns; (9) effect of a plasma proteolytic enzyme in shock; (10) study of globin fractions prepared by Dr. E. J. Cohn and associates with respect to blood coagulation and certain enzymes; and (11) methods of preparing thrombin from human, steer and pig blood.

PB M 77193. TAYLOR, F. H. L. Studies on the peripheral blood in patients with thermal burns. Thrombocytopenia. Final report. Contract OEMcmr-162. (OSRD CMR Blood Substitutes Rept 37) Oct 1944. 1 p. Price: Microfilm-$1.00 - Photostat-$1.00
A study was made of thirteen patients with thermal burns, six of whom died within four days after injury and in these cases the thrombocytopenia persisted until death. In the remaining six cases, the platelets returned to a normal level in from four to nine days. However, death occurred subsequently in all but one case. This report briefly reviews the findings regarding the blood platelet count, surface treatment, shock and hemoglobinemia. The cause of the thrombocytopenia and its possible role in the complication of burns is under investigation.

PB M 77194. TAYLOR, F. H. L. Preliminary laboratory and statistical studies of the Cocoanut Grove disaster, November 28, 1942. Final report, Part VIII. Final report. Contract OEMcmr-162. (OSRD CMR Blood Substitutes Rept 38) Aug 1944. 6 p. Price: Microfilm-$1.00 - Photostat-$1.00
From the analysis of the data on the patients who died, the usual relation to the degree of burn was not observed. This was due to the high incidence of pulmonary complications among the patients occasioning a high death rate in the first 48 hours. The study of the living patients covered (1) hemoconcentration, (2) hypoproteinemia, (3) nutrition, and (4) abnormalities in nitrogen metabolism.

PB M 77195. TAYLOR, F. H. L. The nitrogen requirement of patients with thermal burns. Final report. Abstract. Contract OEMcmr-162. (OSRD CMR Blood Substitutes Rept 39) Oct 1944. 7 p. Price: Microfilm-$1.00 - Photostat-$1.00
This report reviews the demand for nitrogen in normal and burned individuals and deals with scattered observations on some 250 burned patients admitted to the Boston City Hospital during the past year. Bibliography.

PB M 77191. TAYLOR, F. H. L. and others. Studies on the labile constituents of human blood plasma. Contract OEMcmr-162, Interim report, Jun 1942 - Jan 1943. Jan 1943. 6 p. Price: Microfilm-$1.00 - Photostat-$1.00
This interim report covers the scientific investigations conducted in the Thorndike Memorial Laboratory of the Boston City Hospital under OSRD Contract-162. The report deals with the following: (1) Stability of labile plasma factors in liquid and frozen plasma; (2) rate of destruction of prothrombin; (3) general studies of lyophile plasma; and (4) effect of reconstitution with citric acid and carbon dioxide solutions on the labile constituents of blood plasma.

PB M 77199. TAYLOR, F. H. L. and MINOT, GEORGE R. The clinical use of lyophile plasma reconstituted with 0.1% citric acid. Contract OEMcmr-162, Bimonthly report, Mar 31, 1943. Mar 1943. 1 p. Price: Microfilm-$1.00 - Photostat-$1.00
The report shows that such plasmas may be administered with safety.

PB M 77197. TAYLOR, F. H. L. and MINOT, GEORGE R. Labile constituents of plasma. Contract OEMcmr-162, Monthly progress reports 1-2, Aug 18, 1942 - Sep 15, 1942. Aug 1942. 3 p. Price: Microfilm-$1.00 - Photostat-$1.00
These progress reports deal with the effect of high alkalinity in reconstituted plasma and with the stability of liquid and frozen plasma.

PB M 77198. MACDONALD, A. HARRIET and others. Studies on the peripheral blood in burned patients. I. Thrombocytopenia. Contracts OEMcmr-162, 263, Bi-monthly progress report, Dec 1943. 4 p. Price: Microfilm-$1.00 - Photostat-$1.00
The first portion of this report, "Studies on the peripheral blood in burned patients. I. Thrombocytopenia" is practically identical with the report submitted by F.H.L. Taylor, PB 77193 (OSRD CMR Blood substitutes Rept 37) Contract OEMcmr-162. This is followed by a bimonthly progress report, Contract OEMcmr-162, by F.H.L. Taylor. Appended is a report of an investigation carried on independently by Dr. Henry J. Tagnon, a member of the personnel of Contract OEMcmr-162. This last report compares the action of trypsin, thrombin, and a preparation having proteolytic properties derived from human plasma on the production of humoral shock.

PB M 77196. TAYLOR, F. H. L. The effect of the administration of liquid plasma, aged 1½ to 2 years at room temperature, on the coagulation factors of the recipient's blood. OEMcmr-162, Monthly progress report, May 1944. May 1944. 3 p. Price: Microfilm-$1.00 - Photostat-$1.00
This plasma was administered to three patients suffering from burns and to one control. As far as could be judged from this limited experience, the injection of plasma aged from 1½ to 2 years, at room temperatures and devoid of coagulation factors itself, produces no diminution of these factors in the blood of the recipients in the dosage given and over the time intervals of injection.

PB M 77464. LENNOX, WILLIAM G. Relationship between brain metabolism and brain function. Contract M-1215 and OEMcmr-165, monthly progress reports 1, 3-6, Aug 1, 1942 - Apr 1, 1943. Aug 1943. 6 p. Price: Microfilm-$1.00 - Photostat-$1.00
This series of progress reports deals with the relationship between brain metabolism and brain function and compensation for oxygen lack by changes in other blood constituents.

PB M 77509. STADIE, WILLIAM C. Oxygen toxicity. Contract OEMcmr-210. monthly reports 1-3, 6-9, 11-15, Oct 31, 1942 - Jul 1, 1945. Jul 1945. 15 p. Price: Microfilm-$1.00 - Photostat-$2.00
These progress reports describe experiments to determine the effect of high oxygen pressures upon various tissues and upon the various enzyme systems of the rat and other animals. Several tables are included. Several pages will not reproduce well.

PB M 77609. RANTZ, LOWELL A. Hemolytic streptococcus immunological phenomena. Contract OEMcmr-229, monthly progress reports 1-11, Oct 1, 1942 - Jun 1, 1945. Jun 1945. 11 p. Price: Microfilm-$1.00 - Photostat-$1.00
A series of progress reports covering preparation of purified streptolysin, the study of hemolytic streptococci and scarlet fever.

PB M 77626. COLLER, F. A. and SEEVERS, M. H. Pain relieving drug research. Contract OEMcmr-231. Monthly progress reports 1-6, Nov 1, 1942 - Jul 1, 1943. Jul 1943. 7 p. Price: Microfilm-$1.00 - Photostat-$1.00
A description is given of the work on pain relieving under this contract. The dosage of monoacetyl morphine as compared with morphine was studied. Not much technical data is contained in these progress reports. Several pages will not reproduce well.

PB M 77659. MEYER, K. F. and SOMMER, H. Immunochemical - and toxin-studies on the plague bacillus. Contract OEMcmr-259. Second final report. Abstract, Nov 1, 1943 - Oct 31, 1944. (OSRD CMR Tropical Disease Rept 39) Nov 1944. 2 p. Price: Microfilm-$1.00 - Photostat-$1.00
Abstract compares the efficacy of vaccines from formalin and acetone-killed virulent or avirulent plague bacilli. The effects produced by neutral extract antigens and residue antigens are compared. A brief description is given of the reactions produced by the Army type of plague vaccine (Cutter Vaccine-formalin-killed, agar-grown) and by an alum-treated formalin-killed plague vaccine. Mention is also made of the water-soluble and water-insoluble fractions and their effect in mice, rats and guinea pigs. Report from the George Williams Hooper Foundation, University of California.

PB M 77660. MEYER, K. F. Chemical work on the plague bacillus. Contract OEMcmr 259. Monthly progress reports 1-12, Dec 31, 1942-Oct 15, 1944. Dec 1942-Oct 1944. 80 p. Price: Microfilm-$2.00 - Photostat-$6.00
These progress reports cover work on the following: Separation of the antigen fractions; studies of the antigenic structure of P. pestis; determination of the toxicity of the antigens and antigen fractions; evaluation of immunogenic potency of antigen and antigen fractions; and the preparation of anti-plague sera. Tables record data on in vitro experiments.

PB M 77604. MOORE, FREDERICK J. and KESSEL, JOHN F. Bacillary dysentery. Contract OEMcmr-306, Final report. Abstract. (OSRD CMR Infectious Diseases Rept 10) Jun 1944. 2 p. Price: Microfilm-$1.00 - Photostat-$1.00
The data indicate that uncoated sulfadiazine appears in the stool in more than four times the concentration of uncoated sulfathiazole and should therefore be superior in spite of its lesser relative activity, milligram for milligram. Sulfaxidine breaks down to form sulfathiazole within the bowel, but the amounts of active drug so formed are not excessive: on the basis of concentrations noted and their relative effectiveness, sulfaxidine and uncoated sulfadiazine should be about equal clinically, both being superior to uncoated sulfathiazole. Sulfaguanidine has so little activity that its high concentrations may be discounted. Seal-Ins enteric - coatings resulted in very high concentrations of the most active drugs. Coated sulfadiazine might prove the better because of the regularity with which high concentrations occurred.

PB M 77605. MOORE, FREDERICK J. and KESSEL, JOHN F. Chemotherapy of bacillary dysentery. Contract OEMcmr-306. Final report. Abstract. (OSRD CMR Infectious Diseases Rept 17) Jul 1944. 1 p. Price: Microfilm-$1.00 - Photostat-$1.00.
Abstract of the final report from the University of Southern California where extensive studies were carried out to determine: (a) relative in vitro effectiveness of various sulfonamides against Almonella-Shigella organisms, (b) "antitoxic" action of sulfonamides in vivo against Flexner toxin, (c) relative susceptibility in vitro of local strains and strains from the Army Medical School (mostly isolated broad), (d) factors controlling the hydrolysis of sulfaxuidine and sulfathalidine, (e) systemic absorption and fecal excretion of various uncoated and Seal-Ins enteric-coated sulfonamides in volunteers and patients, (f) clinical effectiveness of various sulfonamides and methods of administering them, and (g) local incidence of Salmonella-Shigella organisms classified according to the newer methods.

PB M 77606. MOORE, FREDERICK J. and KESSEL, JOHN F. Chemotherapy of bacillary dysentery. Contract OEMcmr-306. Monthly progress reports 1-7, Jun 1, 1943 - Jun 3, 1944. Jun 1944. 15 p. Price: Microfilm-$1.00 - Photostat-$1.00
Series progress reports on the subject as it developed. See abstract final report PB 77605.

PB M 77552. WINTERNITZ, M. C. and LONG, C. N. H. Studies on shock. Final report. Abstract. Contract OEM cmr-341. (OSRD CMR Shock Rept 39) Jul 1944 5 p. Price: Microfilm-$1.00 - Photostat-$1.00
A technique for the assay of blood substitutes in acute blood loss together with an analysis of factors influencing the response of an animal to bleeding and to therapy.

PB M 77551. WINTERNITZ, M. C. and LONG, C. N. H. Hemorrhagic shock in the rat. Contract OEMcmr-341. Bimonthly progress reports 1-13, Sep 1, 1943 - Aug 20, 1945. Aug 1945. 58 p. Price: Microfilm-$2.00 - Photostat-$4.00
This is a series of progress reports on the study of hemorrhagic shock and the metabolic changes produced in rats under a standardized technique.

PB M 77559. POTTER, VAN R. and MEYER, ROLAND K. Biological energy transformations and the shock problem. Contract OEMcmr-361. Final report. Abstract. Jul 8, 1944. (OSRD CMR Shock Rept 36) Jul 1944. 4 p. Price: Microfilm-$1.00 - Photostat-$1.00
The investigation attempts to determine by means of 1) blood analyses, 2) tissue analyses, and 3) enzyme studies whether the shocked state is associated with a depletion of 1) reservoirs of phosphate bond energy, 2) reservoirs of energy convertible to phosphate bond energy, and 3) enzyme systems responsible for energy transformation. The requirements of the study are outlined. McArdle Memorial Laboratory, University of Wisconsin.

PB M 77538. BUTLER, ALLAN M. A. Fish juice and B. emergency lifeboat ration. Contract OEMcmr-364. Monthly progress report 1-2, July 26, 1943-September 27, 1943. Sep 1943. 16 p. Price: Microfilm-$1.00 - Photostat-$2.00
These progress reports deal with methods for the prevention of water losses from the body. As a source of food and water supply, fish juice pressed from fish was not recommended because of the poor yield and its undesirable composition. Table 1 shows the approximate composition of three daily diets, namely, butterscotch candy, and emergency lifeboat rations with and without chocolate. No other tables are included in Progress Report 1. Progress Report 2 is entitled, "Concerning the castaway's extra-renal loss" by James L. Gamble and Allen M. Butler. This report discusses various ways of cooling the body directly such as: (1) Provision of shade; (2) increasing the cooling effects of breeze by removal of clothing; (3) periodic immersion in the sea; and (4) wetting the clothing with sea water. Several graphs and a table illustrate the second report.

PB M 77177. ROSS, JOSEPH F. The in vitro preservation and post-transfusion survival of erythrocytes. Contract OEMcmr-372. Progress reports 1-11. Nov 1, 1943 - Sep 4, 1945. Sep 1945. 25 p. Price: Microfilm-$1.00 - Photostat-$2.00
Observations of the post-transfusion survival of erythrocytes stored in various media have been made using radio-actively labelled cells.

PB M 77376. FRIEDEMANN, THEODORE E. and IVY, ANDREW C. Utilization of riboflavin and thiamine at various levels of intake and its relation to the work output of subjects of military age at ground level and at 15,000 feet altitude. Interim report. Abstract. Contract OEMcmr-373. (OSRD C&R Medical Nutrition Rept 25) Oct 1944. 1 p. Price: Microfilm-$1.00 - Photostat-$1.00
This abstract records the utilization of thiamin and riboflavin in tests upon seven conscientious objectors. The experiment was divided into four test periods in which different amounts of these vitamins were given.

PB M 77539. MURLIN, JOHN R. The use of 8 or 10 essential amino acids for determination of the biological value of mixed proteins in adult human nutrition. Contract OEMcmr-376. Bi-monthly progress reports 1-10, Nov 1, 1943-Oct 20, 1945. Oct 1945. 21 p. Price: Microfilm-$1.00 - Photostat-$2.00
A number of tests are described in these progress reports.

PB M 77175. RAPOPORT, S. and WING, M. Physical and chemical changes of blood stored in sodium citrate and in citrate-glucose mixtures, neutral and acid. Interim report. Abstract. Contract OEMcmr-381. (OSRD C&R Blood Substitutes Rept 11) Jan 1944. 1 p. Price: Microfilm-$1.00 - Photostat-$1.00
The evidence presented in the report favors the adoption of acid citrate glucose mixtures for the preservation of blood. From the Childrens Hospital, Cincinnati, Ohio.

PB M 77176. RAPOPORT, SAMUEL. Blood cell preservation: Whole blood preservation. Contract OEMcmr-381. Bi-monthly progress reports 1, 3-11. Oct 30, 1943 - Aug 17, 1945. Aug 1945. 12 p. Price: Microfilm-$1.00 - Photostat-$1.00
Several standard media for the preservation of whole blood are evaluated. The effects of gelatin, buffer systems and globulin are noted. Clinical and in vitro studies are reported. Progress Report No. 2 is presented as an interim report, an abstract of which appears as Blood Substitutes Rept 11, PB 77175.

PB M 77174. DIAMOND, LOUIS K. Rh typing serum. Contract OEMcmr-384. Bimonthly progress reports 1-9, Jan 1, 1944 - Sep 1, 1945. Sep 1945. 13 p. Price: Microfilm-$1.00 - Photostat-$1.00
These progress reports deal with the collection of human blood containing anti-Rh agglutinins and with methods for the concentration of the anti-Rh agglutinins from human plasma. The experimental production of the Rh antibodies in animals and humans is also reported.

PB M 77543. MAYNARD, L. A. and others. The effect of the protein level in the diet upon resistance to cold, with special reference to the respiratory exchange and the reaction of the body thermostat at low temperatures. Contract OEMcmr-425. Bi-monthly progress report 1-7, May 1, 1944 - May 1, 1945. May 1945. 10 p. Price: Microfilm-$1.00 - Photostat-$1.00
Several tables are included in these progress reports.

PB M 77594. DUBOS, RENE J. Immunization against Shiga bacillary dysentery. Contract OEMcmr-449. Reports 1-5, Sep 29, 1944 - May 14, 1945. May 1945. 5 p. Price: Microfilm-$1.00 - Photostat-$1.00
Progress reports from the Rockefeller Institute on the preparation of Shiga toxin and toxoid and immunization investigations.

PB M 77557. PRINZMETAL, MYRON. Shock. Contract OEMcmr-458, symbol M-4411. Bi-monthly progress report 1-3, Aug 1, 1944 - Dec 15, 1944. Dec 1944. 21 p. Price: Microfilm-$1.00 - Photostat-$2.00
In summary, these observations indicate that after a certain type of muscle crushing, dogs go into shock and the majority die; the shock being due to the direct effect of bacterial contamination in the muscle. If the crushed muscle is removed 4 hours after trauma the dogs do not go into shock. Debridement if performed up to 17 hours saves the animals. If delayed longer debridement is ineffective. If the bacteria are inhibited by systemic use of sulfamerazine administered immediately or up to 5 hours after trauma, the shock never occurs, if administered only locally and not parenterally shock may occur. So far the systemic use of penicillin is ineffective.

PB M 77616. OTTO, G. F. Chemotherapy of filariasis. Contract OEMcmr-463. Progress report 1-6, Oct 1, 1944 - Oct 1, 1945. Oct 1945. 11 p. Price: Microfilm-$1.00 - Photostat-$1.00
Results are given of tests with various arsenicals (substituted phenyl arsenoxides, and some arsonic acids) and antimony compounds (antimony thioglycollamide and monosodium antimony thioglycollate). The experiments were carried out against the microfilaria and adults of Dirofilaria immitis and Litomosoides carinii. Several tables are included.

PB L 77618. VAN DYKE, H. B. Chemotherapy of leishmaniasis. Contract OEMcmr-466. Progress reports 1-7, Dec 1, 1944 - Dec 15, 1945. Dec 1945. 13 p. Price: Microfilm-$1.00 - Photostat-$1.00

These progress reports give the results of tests with numerous antimony organic compounds against Leishmania infantum and L. donovani in hamsters. The chemotherapeutic effect and toxicity are recorded in tables. Practically all of the drugs are identified by number only, with the exception of Fuadin, Neostibosan, Suramin (Bayer 205), and Stibanose.

PB M 77171. RHOADS, JONATHAN E. and others. A comparative study of the physiological properties of globin, serum albumin, gelatin and plasma. Contract OEMcmr-482, Progress report 1-3, Jan 1-May 1, 1945. May 1945. 9 p. Price: Microfilm-$1.00 - Photostat-$1.00
Animal and human experiments with the above-mentioned substances are described. Several tables are included.

PB M 77170. VOGELAAR, JOHANNES. The mechanism of cell conglutination. Contract OEMcmr-509, Bi-monthly progress report 1-7, Jan 1, 1945 - Jan 1, 1946. Jan 1946. 14 p. Price: Microfilm-$1.00 - Photostat-$1.00
These progress reports deal with the conglutination and resuspension of red blood cells. The reports describe different effects of various amino acids on suspensions of human red blood cells and the stabilizing effect of different salts on red blood cell suspensions. The behavior of blood preserved in ACD is compared with blood not treated with ACD.

PB M 77267. WELSH, JOHN H. The mode of action on insecticides, especially DDT. Bi-monthly progress reports 1-3, Jun 1, 1945 - Oct 1, 1945. Contract no. OEMcmr-523. Oct 1945. 9 p. Price: Microfilm-$1.00 - Photostat-$1.00
These progress reports deal with the following: Action of DDT on crustaceans (Daphnia, crabs, lobsters) to indicate their suitability for physiological, pharmacological and biochemical studies; comparison of the pharmacological actions of DDT and DDA (p,p'-dichlorodiphenyl acetic acid); the action of DDT on the isolated perfused heart of the crab, Cancer irroratus; action of DDT on nerve fibers of the crab; and the effect of DDT on acetylcholine in mammalian nervous tissue.

PB M 77169. NIEMANN, CARL. The isolation of the A and B group specific substances from erythrocytes and gastric mucosa. Contract OEMcmr-537, Bi-monthly progress report 1-2, Apr 15 - Sep 1, 1945. Sep 1945. 2 p. Price: Microfilm-$1.00 - Photostat-$1.00
Brief descriptions are given of the isolation of A group specific substances. In general, it appears that erythrocytes cannot compete with gastric mucin as a practical source of A substance. A chemical method for the detection and estimation of A substance is also described briefly. The test depends upon the presence of the N-acetyl glucosamine.

PB M 77589. MOLITOR, HANS. A study of the pharmacological and toxicological properties of streptomycin with particular emphasis on the absorption, distribution in body tissues and excretion of the drug in a variety of animal species. Contract M-6783, OEMcmr-544, monthly progress reports 1-3, Jun 1, 1945 - Oct 1, 1945. Oct 1945. 7 p. Price: Microfilm-$1.00 - Photostat-$1.00
The figures given in these reports are for work done on rats, guinea pigs, dogs, and monkeys. Microscopic data is included.

PB M 77168. BOYD, WILLIAM C. Purification of blood group A substance. Contract OEMcmr-547, Bimonthly progress report 1-2 (final), Nov 1, 1945 - Jan 1, 1946. Jan 1946. 2 p. Price: Microfilm-$1.00 - Photostat-$1.00
These progress reports describe experiments in which crude Group A substance was precipitated with rabbit anti-A serum, the precipitate digested with trypsin and the trypsin removed. The carbohydrate was redissolved and reprecipitated several times.

PB M 77590. WOOD, W. BARRY. Pharmacological studies of streptomycin. Contract OEMcmr-551, bi-monthly progress reports 1-2, Jul 31, 1945 - Oct 2, 1945. Oct 1945. 3 p. Price: Microfilm-$1.00 - Photostat-$1.00
Bi-monthly progress report no. I is the pharmacological studies of streptomycine carried out on patients given single intra muscular or intravenous injections. There was no evidence of renal irritation. Report no. II is: The use of penicillin in the treatment of subacute bacterial endocarditis. Twenty-six patients with acute or subacute condition were treated.

PB M 77167. KABAT, ELVIN A. Purification, characterization and standardization of blood group substances (A and B). Contract OEMcmr-552, Bi-monthly progress report 1-2, Sep 1, 1945 - Nov 1, 1945. Nov 1945. 2 p. Price: Microfilm-$1.00 - Photostat-$1.00
The following topics are discussed in the reports: (1) Distribution of A substance in stomach linings of individual hogs; (2) pH stability of A substance; (3) properties of purified blood group substances; (4) immunochemical estimation of the purity of A substance; (5) solubility of A-anti A specific precipitates; (6) glucosamine content of specific precipitates; and (7) variation of anti-A and anti-B level with time. Several tables are included.

PB M 77592. HARDY, A. V. Bacillary dysentery: findings in 1943. Contract M-698. Interim report. (OSRD Tropical Diseases Rept 4) Jan 1944. 4 p. Price: Microfilm-$1.00 - Photostat-$1.00
This report covers investigations in New York State institutions emphasizing the following: (a) the relative efficacy of sulfonamides in Shigella infections, (b) sulfonamide levels in the enteric tract, (c) sulfonamide sensitivity, and (d) control by prophylactic or mass therapy.

PB M 77591. HARDY, A. V. Control of dysentery. Contract M-698, progress reports, Mar 31, 1942 - Oct 10, 1945. Oct 1945. 39 p. Price: Microfilm-$1.00 - Photostat-$3.00
Progress reports covering a study of the control and treatment of dysentery in institutional inmates.

PB M 77438. THORN, GEORGE W. The role of the adrenal cortex in anoxia. Contract no. M-713. Monthly progress report 1-8, 10-12, Mar 1, 1942 - Jun 1, 1943. Mar 1942 - Jun 1943. 25 p. Price: Microfilm-$1.00 - Photostat-$2.00
Progress reports on the effect of repeated daily exposure to reduced oxygen pressure on rats, rabbits, dogs and monkeys (12,000 ft. to 30,000 ft. simulated altitude).

PB M 77453. SUNDSTROEM, E. S. The role of the adrenal cortex in regulating low pressure tolerance and the means

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that may be available for improving such a tolerance and predicting its decline. Contract M-1007. Monthly progress reports 1-8, May 1, 1942 - Feb 1, 1943. Feb 1943. 14 p.
Price: Microfilm-$1.00 - Photostat-$1.00
Series progress reports aviation medicine. Data have been collected which show that a correlation exists between the tolerance to low pressure and urea clearance and such tolerance is enhanced by administering cortical hormone where the temperature also is low. When cold is excluded animals appear unaffected for a month by low pressure which suggests that aviators may be adaptable by nature to the altitude to which they are exposed for relatively short periods.

PB M 73428. DÜSSELDORF, GERMANY, MEDICAL ACADEMY. Doctors' theses on medical subjects. (FIAT Microfilm Reel L 67, Frames 1-945). 1931-1942. 934 f.
Price: Microfilm-$6.00 - Enlargement print-$93.50
This FIAT microfilm reel consists of items in the field of medicine. The material was obviously collected in the library of the above institute. Individual items are listed below and will be available as enlargement prints only; the entire reel may be purchased in microfilm form for $6.00. Please include PB and frame numbers when ordering individual items from this microfilm reel. In German.

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31-61	Die indikationsstellung der schwangerschaftsunterbrechung an der frauenklinik der medizinischen akademie zu Düsseldorf, bearbeitet am material von 1928-1932 (Indications for the interruption of pregnancy, discussed on the basis of cases of the gynecologic department of the Düsseldorf Medical Academy during 1928-1932). By L. Krenzer, 1935.	3.50
62-66	Zur serologie der tuberkulose (Serology of tuberculosis). By F. Koss, 1938.	1.50
67-77	These frames are missing.	
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91-100	Zur kritik der experimentellen masernübertragung (Critical evaluation of experimental transmission of measles). By W. Kraft, 1931.	1.50
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478-92 Die tuberkulosekrankheit im kindesalter, gesehen an den kindern der Düsseldorfer kinderklinik und tuberkulose-fürsorge in den jahren 1928-1933 bzw. 1929-1933 (Childhood tuberculosis as judged by cases of the Düsseldorf pediatric department and tuberculosis welfare department during the years 1928-1933 and 1929-1933 respectively). By A. Fischer, 1940. 1.50

493-99 Freitod bei alkoholikern (Suicide of alcoholics). By J. Humbe, 1941. 1.50

500-507 Ependymcyste im 3. hirnventrikel (Ependymal cyst in the third ventricle). By L. Krohne-Schären. 1.50

508-17 Eine untersuchung über zusammenhänge zwischen dem Weltmannschen koagulationsband und der Takata-reaktion bei lungentuberkulose, zugleich ein beitrag zur frage der allergischen entstehung von hepatopathein (Investigation on correlations between Weltmann's coagulation band and the Takata test in pulmonary tuberculosis: a contribution to the question of the allergic origin of hepatopathias). By V. Höveler. 1.50

518-23 Nikotinschäden am weiblichen organismus. Eine studie über tabakeinwirkung an 1000 tabakarbeiterinnen uter besonderer berücksichtigung der weiblichen genitalorgane und ihrer funktionen (Noxious effects of nicotine upon the female organism: Studies on the effect of tobacco on 1000 femal tobacco workers, with special regard of the genitals and their functions). By G. Krebs, 1940. 1.50

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576-89 Die äussere form der leber von Hystrix cristata L. (Shape of the liver of Hystrix cristata L.). By F. Manegold, 1940. 1.50

590-605 Über aplasie und hypoplasie der niere (Renal aplasia and renal hypoplasia). By P. H. Löke, 1936. 2.00

606-14 Cysticerkose des gehirns (Cerebral cysticercosis). By F. Neuhaus, 1937. 1.50

615-36 Über eine beobachtung von nicht traumatischer protrusio acetabuli (A case of non-traumatic protrusio acetabuli). By A. Neuss, 1936. 2.50

637-49 Beitrag zur diffusen gliaverfettung im grosshirnmark bei kindern (Contribution to the diffuse fatty degeneration of the glia of the white matter of the hemisphere in children). By T. Orth, 1939. 1.50

650-73 Zum problem der gattenwahl schizophrener (The problem of the choice of mates of schizophrenics). By H. Egger, 1942. 2.50
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674-95 Über die chronische encephalitis, insbesondere inhre restzustände nach erfahrungen in der sonderabteilung der Brandenburgischen landesanstalt zu Neuruppin (Chronic encephalitis, especially its residual symptoms, according to experiences gained in a special ward of the "Brandenburg Landesanstalt" at Neuruppin). By W. Neuhaus, 1937. 2.50

696-709 Untersuchungen über die diagnostische bedeutung der schellackund Boltsreaktion im liquor cerebrospinalis (Investigations on the diagnostic significance of the shellac and Bolts tests in spinal fluid). By H. Mundtrath. 1.50

710-23 Das röntgenbild als diagnostisches hilfsmittel bei kiefertumoren (X-ray pictures as diagnostic aids in tumors of the jaws). By H. Neumann, 1939. 1.50

724-34 Über schweissekretion bei wirbelbrüchen mit querschnittslähmungen (Sweat secretion in vertebral fractures with cross sectional paralysis). By F. H. Müller, 1937. 1.50

735-46 Klinische studien über das verhalten von magensaftabsonderung und harn-

reaktion unter insulin (Clinical studies on the nature of gastric juice secretion and on the reaction of the urine under the influence of insulin). By C. Müller. 1.50

747-59 Die geschichte der entzündlichen knochenerkrankunge und ihrer chirurgischen behandlung (History of inflammatory bone diseases and their surgical treatment). By K. E. Müller, 1938. 1.50

760-73 Das ärztliche gutachten zur aufklärung tödlicher verkehrsunfälle durch kraftfahrzeuge (Medical testimony for elucidating fatal traffic accidents due to motor vehicles). By A. Müller, 1936. 1.50

774-86 Die verwendungsmöglichkeiten der kleinbild-photographie im rahmen der zahn-, mund- und kieferheilkunde (Possibilities of use of miniature photography in oral and dental medicine). By F. J. Nell, 1938. 1.50

787-95 Untersuchungen zu röntgenbestrahlungen der hypophyse des kaninchens (Investigations on x-ray irradiations of the pituitary gland of rabbits). By H. Meyer, 1938. 1.50

796-804 Über die immunbiologischen eigenschaften des enterotoxischen E-ruhr-polysaccharides, das vorkommen von flavinen (vitamin B_2) und fettlöslicher fluorochrome im bacterium dysenteriae Kruse-Sonne (Immunological properties of the enterotoxic E-dysentery polysaccharides, and the occurence of flavins (vitamin B_2) and fat soluble fluorochromes in Bacterium dysenteriae Kruse-Sonne). By H. Berdan, 1941. 1.50

805-25 Beiträge zum gallensteinileus (Contributions to the knowledge of intestinal obstruction due to gall stones). By P. Neuss, 1934. 2.50

826-37 Primäre bösartige nierentumoren, die keine hypernephrome sind, (Primary malignant renal tumors other than hypernephromas). By K. Martens, 1940. 1.50

838-52 Die gestaltung des heilplans für rheumatische leiden, zuckerharnruhr, nerven- und gemütsleiden nach volkshygienischen und wirtschaftlichen gesichtspunkten (Elaboration of a plan for the treatment of rheumatic diseases, diabetes mellitus, and nervous and mental diseases, according to social hygienic and economic points of view). By G. Meyer, 1935. 1.50

853-69 Über die Rheinleichen. Statistik der in Düsseldorf beobachteten ertrinkungsfälle (Corpses found in the Rhine: Düsseldorf record of drownings). By H. Mühlenbruch, 1936. 2.00

870-82 Untersuchungen über die häufigkeit des bronchialcarcinoms im sektionsgut des pathologischen institutes der medizinischen akademie in Düsseldorf in den jahren 1930 bis 1940 (Investigations on the frequency of bronchial cancer among post mortem cases of the pathological institute of the Düsseldorf Medical Academy during 1930 - 1940). By H. Hahn. 1.50

883-87 Vitamin C und anaphylaktischer schock (Vitamin C and anaphylactic shock). By G. Haselmann, 1940. 1.50

888-95 Untersuchungen über die prozentuale verteilung des alkohols im leichenblut (Investigations on the percentage distribution of alcohol in the blood of corpses). By F. Halstenberg. 1.50

896-945 Die erziehung des menschen nach Johann Peter Frank (Bringing up of man according to Johann Peter Frank). By H. Hartmann, 1936. 5.00

PB M 73327. DÜSSELDORF, GERMANY, MEDICAL ACADEMY. Doctors' theses on medical subjects, particularly in the field of pediatrics. (FIAT Microfilm Reel L 70, Frames 2706-3577). 1928-1945. 871 f. Price: Microfilm-$6.00 - Enlargement print-$87.50.

This FIAT microfilm reel consists of items in the field of medicine. The material was obviously seized in the library of the above institute. Individual items are listed below and will be available as enlargement prints only; the entire reel may be purchased in microfilm form for $6.00. Please include PB and frame numbers when ordering individual items from this microfilm reel. In German.

Frames	Title	Price
2706-2718	Statistische untersuchungen über die nicht carcinomatösen bösartigen tumoren in Düsseldorf (Statistical investigations on non-carcinomatous malignant tumors in Düsseldorf). By H. Kniecke, 1936.	$1.50
2719-2738	Die leibesübungen unserer vorfahren. Ein geschichtlicher überblick (Physical exercises of our ancestors: a historical review). By W. Knaup, 1938.	2.00
2739-2753	Darmrisse bei stoss gegen die bauchwand in gerichtlicher beziehung (Ruptures of the intestine as a result of a blow against the abdominal wall and their forensic implications). By H. Schelkmann, 1935.	1.50
2754-2768	Katamnestische untersuchungen uber die weiterentwicklung von kindern, die in den jahren 1907-1918 an der akademischen kinderklinik zu Düsseldorf wegen spasmophilie behandelt wurden (Catamnestic investigations on the further development of children treated for spasmophilia at the Academy Hospital for Children of Dusseldorf during 1907-1918). By H. Wehring, 1940.	1.50
2769-2780	Über die vorbehandlung von operablen und inoperablen cervix-carcinomen mit 2 prozentigem chlorazinglycerin, mit besonderer berucksichtigung der bakteriellen befunde (Pre-treatment of operable and inoperable cervical cancers with a 2 per cent solution of chlorazine in glycerol, with special regard to bacteriological findings). By F. Diehl, 1931.	1.50
2781-96	Der raubmord von Schlebusch und seine kriminalpsychologische bedeutung (The murder and robbery committed at Schlebusche and its criminal psychologic implications). By W. Dietel, 1934.	1.50
2797-2808	Erfahrungen bei der behandlung des empyems der pleurahöhle (Experiences in the treatment of pleural empyema). By F. Hinrichs, 1933.	1.50

2809-2880 Wörtliche übersetzung des werkes des römischen arztes Antyllus (Literal translation of the book of the Roman physician Antyllus). By C. Cames, 1941. 7.50

2881-2895 Philipp Biedert und seine bedeutung in der deutschen pädiatrie (Philipp Biedert and his significance for German pediatrics). By E. Görgen, 1939. 1.50

2896-2932 Geschichte der künstlichen frühgeburt in Deutschland (History of the artificially induced premature delivery in Germany). By G. Gottschalk, 1939. 4.00

2933-2941 Untersuchungen der histidinwirkung bei magen- und zwölffingerdarmgeschwüren (Investigations on the effect of histidine on gastric and duodenal ulcers). By E. Erff, 1937. 1.50

2924-2962 Experimentelle untersuchungen über bromural- und adalinwirkung bei kindern (Experimental investigations on the effect of bromural and adalin on children). By G. Erich. 2.50

2968-2975 Beitrag zur frage des sog. bolustodes (Contribution to the question of the so-called "bolus death"). By W. Erwenich, 1938. 1.50

2976-2989 Zur frage der heilung nichttuberkulöser kavernen bei säuglingen (On the question of the healing of non-tuberculous cavities in infants). By J. Erken, 1928. 1.50

2990-3004 Das schicksal der untergewichtigen kinder (unter 3000/gr) in den ersten 10 lebestagen (The fate of infants with underweight (below 3000 grs.) in the first 10 days of life). By W. Frenkel, 1937. 1.50

3005-3025 Zur kasuistik der meningo-encephalocystocele occipitalis. Erkennung und behandlung bei besonderer berücksichtigung der frühoperation (Cases of occipital meningo-encephalic cystoceles: Diagnosis and treatment with special regard to early operation). By H. Frenkel, 1934. 2.50

3048-3068 Die geschichte der klimatischen behandlung von krankheiten (History of climatic treatment of diseases). By H. Ehlgen, 1939. 2.50

3069-3077 Über die abhängigkeit der porphyrinbildung durch mikroorganismen vom stickstoffgehalt des nährbodens (Dependence of prophyrin formation by microorganisms on the nitrogen content of the cultural medium). By E. Ehlinger, 1939. 1.50

3078-3095 Zur frage der pathogenese und bedeutung der albuminurie, besonders bei den "einfachen nephrosen" (The question of pathogenesis and importance of albuminuria, especially in "simple nephroses"). By M. H. Bröder, 1935. 2.00

3096-3103 Über die wirkungen von arteigenen hypophysenhinterlappenpräparaten bei hühnern (Effects of species specific preparations from the posterior lobe of the pituitary glands in fowl). By E. Hoff, 1939. 1.50

3104-3111 Ein beitrag zur blutmengenbestimmung in der klinik (Contribution to the the determination of the blood volume in the hospital). By E. von Ehrenwall. 1.50

3112-3122 Zur klinik der spätexanthome nach scharlack (Symptomatology of late exanthemata after scarlet fever). By E. Rubensack. 1.50

3123-3130 Ein beitrag zur frage der chronischen kohlenoxydvergiftung (Contribution to the question of chronic carbon monoxide poisoning). By H. Hauk, 1940. 1.50

3131-3138 Sensibilisierung der haut mit dinitrochlorbenzol (Sensitization of the skin with dinitrochlorobenzene). By H. Hülser, 1945. 1.50

3139-3147 Beitrag zum chloroma (Contribution to the chloroma). By A. Hüren, 1941. 1.50

3157-3178 Ist bei ulcus-kranken eine unterfunktion der epithelkörperchen nachweisbar? (Is a hypofunction of the parathyroid gland discoverable in patients with peptic ulcer?). By W. Huperts, 1939. 2.50

3179-3183 Über das vorkommen von nikotin in der frauenmilch nach zigarettengenuss (Presence of nicotine in human milk after smoking of cigarettes). By W. Emanuel, 1931. 1.50

3184-3199 Hat die menstruation einen einfluss auf die kriminalität der frau? (Does menstruation influence the criminality of women?). By W. Krogbeumker. 2.00

3200-3229 Ansichten des Strassburger arztes Johann Winther von Andernach über alte und neue medizin nach seinem werk von 1571 (Views of the Strasbourg physician Johann Winther von Andernach on ancient and new medicine, according to his book of 1571). By M. Hollfelder, 1939. 3.00

3230-3240 Eine betrachtung über die federverankerung bei der partiellen prothese (Reflection regarding the elastic mounting of partial protheses). By A. Kurth, 1939. 1.50

3242-3252 Die prontosil-therapie und deren ergebnisse in der frauenklinik der medizinischen akademie Düsseldorf (Prontosil therapy and its results in the women's hospital of the Medical Academy of Düsseldorf). By H. Koslowski, 1939. 1.50

3253-3259 Der kallikreingehalt des harns, des speichels und des blutes bei gesunden und kranken (The callicrein content of urine, saliva and blood in healthy and diseased people). By H. Korsten, 1938. 1.50

3260-3268 Der vorzeitige blasensprung unter der geburt, untersucht an fallen der frauenklinik der medizinischen akademie Düsseldorf (Premature rupture of the amnion during delivery, as examined in cases of the women's hospital of the Medical Academy of Dusseldorf). By H. Kossack de Denegri, 1939. 1.50

3269-3284 Sterblichkeit der neugeborenen innerhalb der ersten 10 lebenstage und ihre ursachen (Mortality of new-born infants within the first 10 days of life and its causes). By M. Kollmannsperger, 1934. 2.00

3285-3299 Über zwei fälle von monoamniotischen zwillingen mit nabelschnurverknotung (Two cases of monoamniotic twins whose umbilical cords are knotted). By G. Köpitzer, 1936. 1.50

3300-3319 Das leben und wirken des englischen chirurgen John Percival Pott (Life and work of the English surgeon John Percival Pott). By F. Köhler, 1936. 2.00

3320-3328 Blutgruppe und scharlack (Blood group and scarlet fever). By H. Körner, 1932. 1.50

3329-3365 Über die behandlung der poliomyelitis anterioe acuta mit besonderer berücksichtigung der lumbalpunktion (Treatment of acute anterior poliomyelitis with special consideration of lumbar puncture). By H. Kondering, 1933. 4.00

3366-3382 Die verschiedenen methoden der uranoplastik (Various methods of uranoplastic). By H. H. Heymann, 1937. 4.00

3383-3399 Identical with the foregoing.

3400-3411 Der abriss des trachanter minor durch muskelzug als sportverletzung (Rupture of the trochanter minor by muscular traction as a sport injury). By K. Hartmann, 1937. 1.50

3412-3420 Untersuchungen über beziehungen zwischen D-vitaminmangel und anämie. Frage der anämie teilerscheinung der rachitis (Investigations on the relationship between vitamin-D deficiency and anemia: the question as to whether anemia consitutes a symptom of rickets). By H. Hauss, 1931. 1.50

3421-3440 Alkohol-herzbeutelflüssigkeit-leichenblut. Ihre bedeutung und verwertbarkeit für den gerichtsarzt (The forensic importance of alcohol, pericardial fluid and blood from corpses). By A. W. Hartmann, 1937. 2.00

3441-3448 Über das verhalten der säurelöslichen phosphorfraktion des blutserums bei einwirkung von ultraviolettlicht und von vitamin D (Behavior of the acid-soluble phosphorus fraction of blood serum when under the influence of ultraviolet light and vitamin D). By F. Hansen, 1936. 1.50

3449-3458 Ergebnisse der tuberkulindiagnostik mit besonderer berücksichtigung der verhältnisse in Essen (Results of tuberculin diagnosis, with special regard to the conditions in Essen). By H. Hasse. 1.50

3459-3473 Das rote blutbild unter den einfluss von sauerstoffmangel (The red blood picture under the influence of oxygen deficiency). By E. Koch, 1938. 1.50

3474-3488 Zur behandlung der haarpilzerkrankungen der kopfes (Treatment of mycoses of the scalp). By F. Kohler. 1.50

3489-3497 Die erfolge der internen und operativen therapie der spastischen pylorusstenose an hand der in den letzten 10 jahren in der Solinger klinik behandelten fälle (Results of internal and surgical therapy in cases of spastic pyloric stenosis treated in the Solinger hospital during the past 10 years). By I. Kortenhaus, 1945. 1.50

3498-3504 Die zweizeitige milzruptur (Two-stage rupture of the spleen). By W. Kölzer, 1940. 1.50

3505-3512 Untersuchunger über den prophyringehalt des blutes und des harns nach injectionen von protoporphyrin (Experiments on the prophyrin content of blood and urine after injection of protoporphyrin). By K. Kortheus. 1.50

3513-3520 Identical with the foregoing.

3521-3531 Uber verlauf und ursachen der sogenannten akuten gelben leberatrophie (Course and causes of the so-called "Acute yellow liver atrophy"). By H. Königshausen. 1.50

3532-3555 Indikation und technik bei zahnextraktion (Indication for and technique of tooth extraction). By P. Köhler, 1941. 2.50

3556-3577 Erfahrungen mit der operativen behandlung von lungeneiterungen (Experiences with the surgical therapy of suppurations of the lung). By E. König. 2.50

PB M 73327-S. DÜSSELDORF, GERMANY, MEDICAL ACADEMY. Doctors' theses on medical subjects, particularly in the field of pediatrics. (FIAT Microfilm Reel L 70, Frames 2706-3577, abstract cards). 1928-1945. 54 p.
Price: Microfilm-$2.00 - Photostat-$4.00
There are available 29 abstract cards for the above FIAT reel L 70 (PB 73327), which were prepared by FIAT abstracters in Germany. The remaining 25 cards list the items only by title.

PB M 73802 ERLANGEN, GERMANY. UNIVERSITY. Doctors' theses on various medical subjects. (FIAT Microfilm Reel D 134, Frames 9001-9999 & 1-81.) 1937-1939. 1079 f.
Price: Microfilm-$6.00 - Enlargement print-$108.00.
This FIAT microfilm reel consists of 69 items in the field of medicine. The material was obviously seized in the library of the above university. Individual items are listed below and will be available as enlargement prints only; the entire reel may be purchased in microfilm form for $6.00. Please include PB and frame numbers when ordering individual items from this microfilm reel. In German.

Frames	Title	Price
9001-9023	Vergleichende zusammenstellung der pathogenese einiger viruskrankheiten (Comparison of several virus diseases as to their pathogenesis). By R. Funes, 1939	$2.50
9024-9034	Die postoperative fortschreitende gangrän durch mischinfektion. Ein beitrag zur putriden wundbehandlung. (Postoperative progressive gangrene caused by mixed infection: a contribution to the treatment of putrid wounds). By W. Gänshirt, 1938	1.50
9035-9066	Kritische betrachtungen der sektionsbefunde bei abtreibungen. Nach dem	

leichenmaterial des ger. med. institutes München (1927-1937) (Discussion of the post mortem findings in cases of criminal abortions: based on material of the forensic institute at Munich during the period 1927 to 1937).
By E. Gänssler, 1939 3.50

9067-9078 Ein fall von multiplem myelom unter dem bild einer hämorrhagischen diathese (aleukämische plasmazellenleukämie mit kapillartoxisch bedingter hämorrhagischen diathese) (A case of multiple myeloma masquerading a hemorrhagic diathesis: aleukemic plasma cellular leukemia associated with hemorrhagic diathesis due to capillary toxins). By L. Gaffron, 1939 1.50

9079-9085 Der grundumsatz und seine bedeutung bei endokrinen störungen (Basic metabolism and its significance in endocrine disorders). By K. Gasser, 1939 1.50

9086-9095 Das schicksal moropositiver kinder und jugendlicher (Fate of children and juveniles that show positive Moro tests).
By F. Geiger, 1938 1.50

9096-9113 Zur klinik und pathologie der leber abszesse (Symptomatology, treatment and pathology of liver abscess).
By Cl. Geiler, 1939 2.00

9114-9129 Ein beitrag zur ätiologie der anodontie; mit mitteilung eines eigenen falles und seiner therapie (Contribution to the etiology of anodontia: report of a self-observed case and of its treatment).
By J. Geis, 1939 2.00

9130-9147 Die wirkung des magens und bestimmter magenbestandteile auf die magensaftreaktion (Effect of the stomach and of certain components of the stomach on the reaction of the gastric juice).
By L. Geser, 1937 2.00

9148-9163 Klinische untersuchungen mit dem wurzelbehandlungsmittel "Putridomors" unter berücksichtigung der schwierigkeiten der wurzelbehandlung und diagnosestellung (Clinical experiments with "Putridomors", an agent for root treatment: with consideration of the difficulties of root treatment and diagnosis).
By L. Gessler, 1939 2.00

9164-9178 Über Maximilian Stolls schrift: "De morbis nervorum" ("De morbis nervorum", a treatise by Maximilian Stoll).
By I. Gestering, 1939 1.50

9179-9194 Heilerfolge bei hämatogenen nierenerkrankungen der jahre 1934-1936 an der II. medizinischen klinik der Ludwig-Maximilian-universität München (Curative results in hematogenous diseases of the kidneys: cases observed at the second medical "clinic" of the Ludwig-Maximilian university of Munich during 1934-1936).
By O. Gichtel, 1938 2.00

9195-9210 Der darmverschluss unter besonderer berücksichtigung der frage der autointoxikation beim ileus (Intestinal obstruction with special regard to the problem of auto-intoxication).
By L. Gielow, 1938 2.00

9211-9221 Zur frage der blutmauserung (The problem of the renewal of the blood).
By I. Goose, 1939 1.50

9222-9234 Das zosterproblem unter berüchsichtigung eines falles von herpes zoster universalis (The problem of herpes zoster with special regard to a case of generalized herpes zoster).
By P. Gottanka, 1939 1.50

9235-9247 Über die zweckmässigste technik der darstellung resp. auffindung von kavernen mittels röntgenologischer methoden (The most suitable technique of the visualization or detection of pulmonary cavities by x-ray methods).
By Ph. Gottfried, 1939 1.50

9248-9261 Beitrag zum metastatischen hirnabszess (Contribution to the metastatic brain abscess). By K. Greiner, 1939 1.50

9262-9269 Über gynäkologische operationen wahrend der schwangerschaft (Gynecologic operations during pregnancy).
By R. Grimminger, 1939 1.50

9270-9293 Die wissenschaftlichen arbeiten des strahleninstitutes der universitätsfrauenklinik München (1912-1936) (Research of the x-ray institute of the university women's hospital at Munich, covering the period 1912 to 1936). By C. Gruber, 1939 2.50

9294-9303 Über die magenkrebsstatistik und ihre aufgabe (Statistics on gastric cancer, and its task). By O. Guther, 1937 1.50

9304-9326 Die schrift des Hieronymus David Gaub: De regimine mentis, quod medicorum est (Hieronymus David Gaub's treatise "De regimine mentis, quod medicorum est"). By K. Gutsch, 1939 2.50

9327-9335 Maligne ovarialtumoren und gravidität (Malignant tumors of the ovaries during pregnancy). By F. Haacke, 1938 1.50

9336-9350 Die häufigkeit der veränderungen am herzkymogramm bei serienuntersuchungen über die einwirkung hydrostatischer und balneotherapeutischer faktoren (Frequency of changes in cardiac kymograms encountered in serial studies on the role of hydrostatic and balneotherapeutic factors).
By G. Haakh, 1939 1.50

9351-9363 Zur frage der primären multiplen carcinome (Problem of primary multiple cancers). By H. Habelt, 1938 1.50

9364-9376 Zungentuberkulose und ihre behandlung (Tuberculosis of the tongue and its treatment). By P. Hadjiewa, 1939 1.50

9377-9381 Modifizierte Takatareaktion und kohlehydrat-stoffwechsel (Modified Takata test, and metabolism of carbohydrates). By B. Hager, 1939 1.50

9382-9392 Das isodynamiegesetz und seine grenzen (The law of isodynamics and its limits).
By W. Haid, 1939 1.50

9393-9408 Über stercobilin und urobilin IX (Stercobilin and urobilin IXα).
By H. Halbach, 1938 2.00

9409-9418 Diätbehandlung der chirurgischen tuberkulose. 10 Jahre Sauerbruch-Hermannsdorfer-Gerson diät am städtischen hauptkrankenhaus Augsburg und erzielte resultate (Dietetic treatment of surgical tuberculosis: 10 years of Sauerbruch-Hermannsdorfer-Gerson's diet at the "Hauptkrankenhaus Augsburg" and results achieved). By F. Halbeck, 1939. 1.50

9419-9444 Über die vererbung von erkrankungen des innenohrs (Inheritance of diseases of the inner ear). By R. Heller, 1938 3.00

9445-9460 Erfahrungen mit der transplantation der ureteren in den dickdarm, insbesondere nach dem verfahren von Coffey, zur therapie der angeborenen blasenspalte (Experiences with transplantations of the ureter into the large intestine, particularly by Coffey's method, applied as a therapeutic measure in congenital exstrophy of the bladder). By H.v. Harpe, 1939 2.00

9461-9468 Rasse und körperkonstitution bei schizophrenie (Race and physical constitution of schizophrenics). By A. Harrasser, 1939 1.50

9469-9477 Wie wird die festigkeit der in der zahnheilkunde verwendeten porzellanmassen durch verschiedene verarbeitsmethoden vor dem brennvorgang beeinflusst? (How is the strength of porcelain used in dentistry influenced by processings of various kinds carried out prior to vulcanization?). By R. Hartmann, 1939 1.50

9478-9493 Zusammenstellung der vom 1. Januar 1934 bis 1. Juli 1937 aus eugenischen gründen vorgenommenen sterilisierungen an der 1. universitätsfrauenklinik München (Survey on sterilizations performed for eugenic reasons at the first university women's hospital at Munich during the period of Jan. 1. 1934 to Jul. 1. 1937). By R. Haselwarter, 1938 2.00

9494-9518 "Das buch über die zähne" von Bartholomaus Eustachius; Kap. 21-25 ("The book on the teeth", by Bartholomaus Eustachius: chap. 21-25). By G. Haslinger, 1939 2.50

9519-9537 Über gutartige abakterielle infektiöse meningitiden (Benign a-bacterial infectious meningitides). By E. Heidenreich, 1939 2.00

9538-9545 Diagramm und blutkochsalzwerte nach probemahlzeit bei inneren krankheiten, unter besonderer berücksichtigung von magenerkrankungen (Urinary diagram and sodium chloride values in the blood after test meal in patients with internal diseases, especially gastric diseases). By W. Heimberger, 1939 1.50

9546-9561 Zur ätiologie der akuten osteomyelitis (Etiology of acute osteomyelitis). By G. Heinrich, 1939 2.00

9563-9574 Die strahlenbehandlung des corpuscarcinoms (Irradiation treatment of cancer of the uterine body). By H. Heizer, 1939 1.50

9575-9591 Die vorgänge während des brandes an selbstgebrannten porzellankörpern unter besonderer berücksichtigung der volumenveränderung (Processes during vulcanization in porcelain bodies baked by the dentist himself, with special regard to changes in volume). By J. Heller, 1938 2.00

9592-9601 Die zahlenmässige auswertung des rechtstypischen, bezw. des rechtsüberwiegens im ekg., geprüft an einem grösseren klinischen material (Numerical evaluation of the right-type electrocardiogram or of right preponderance of the electrocardiogram, examined on a multiplicity of cases). By I. Hensler, 1938 1.50

9602-9637 Zur technik der suboccipitalpunktion (Technic of suboccipital puncture). By A. Henze, 1939 3.50

9638-9648 Untersuchungen über morphologie und filtrierbarkeit der bakterien der typhusgruppe (Morphology and filterability of bacteria of the typhoid group). By W. Hepp, 1939 1.50

9649-9659 Über arteriovenöse fisteln, bezw. aneurysmen und deren einfluss auf blutzirkulation und wandveränderung der venen (Arterio-venous fistulae or aneurysms, and their effect on blood circulation and on changes in the walls of the veins). By R. Herrmannstorfer, 1937 1.50

9660-9693 Kritische betrachtungen einer tatbestandsklärung bei verdacht auf mehrmalige, aufeinanderfolgende überfahrung durch kraftfahrzeug mit besonderer berücksichtigung der aufgefundenen überfahrungsverletzungen (Reflections and criticism regarding the elucidation of facts in a case where repeated running-over in succession by a motor vehicle is suspected, with special consideration of the respective injuries). By C. Hess, 1938 3.50

9694-9709 Über die sogenannten puerperalpsychosen (klinisches bild, verlauf und erbbiologische beurteilung) (The so-called "puerperal psychoses": morbid picture, course of illness and hereditobiological evaluation). By H. Hess, 1938 2.00

9710-9720 Über häufigkeit und lokalisation tuberkulöser erkrankungen des sekundärstadiums im säuglings- und kleinkindesalter; mit besonderer berücksichtigung der auslösung durch infektiöse erkrankungen (Frequency and localization of tuberculous diseases of the secondary stage occurring in infants and young children, with special regard to infectious diseases as precipitating factor). By I. Hettich, 1939 1.50

9721-9742 Die methoden der röntgenologischen beckenmessung (Methods of x-ray pelvimetry). By Th. Heumann, 1939 2.00

9743-9759a Das mandelproblem (The problem of the tonsils). By W. Heymann, 1938 2.00

9759b-9770 Maximilian Stolls betrachtungen und heilmethoden der dysenterie; aus pars tertia rationis medendi, section IV (Maximilian Stoll's contemplations on and curative methods for dysentery: from "pars tertia rationis medendi, section IV"). By H. Hiedl, 1938. 1.50

9771-9791 Zur ätiologie des hautemphysems (Etiology of cutaneous emphysema). By F. Hinneburg, 1939 2.50

9792-9808 Die bedeutung der befunde von hämolysierenden streptokokken im rachen für die krankheitsübertragung, untersucht mittels reihenuntersuchungen an krankenhauspatienten (Significance of the findings in the throat of hemolytic streptococci for the transmission of diseases, studied by serial examinations of hospitalized patients). By F.J. Hintzen, 1938 2.00

9809-9821 Über einen fall von pseudotumor der orbita durch phlebolithen (A case of pseudo-tumor of the orbit caused by phleboliths). By J. Hipp, 1937 1.50

9822-9832 Zwei fälle von kystoma papillomatosum (Two cases of papillomatous cyst). By W. Hippler, 1938 1.50

Medical Research (cont'd)

9833-9846 Komplikationen bei der extraktion oberer molaren und praemolaren (Complications of extractions of upper molars and premolars). By B. Hirsch, 1939 1.50

9847-9859 Untersuchungen über die desinfizierende kraft der zahnpasten (Studies regarding the disinfectant power of tooth pastes). By F. Hirsch, 1939 1.50

9860-9874 Klinik und behandlung der riesenzahnzysten (Symptomatology and treatment of giant cysts of the teeth). By N. Hitzelberger, 1938 1.50

9875-9893 . Zur frage der atophanschädigungen (Noxious effects of atophan). By O. Höhne, 1937 2.00

9894-9907 Untersuchungen über das tuberkulöse ultravirus (Investigations on tuberculous ultra virus). By W. Höller, 1939 1.50

9908-9933 "Das buch über die zähne" von Bartholomäus Eustachius ("The book on the teeth" by Bartholomeus Eustachius). By H. Hölzel, 1939 3.00

9934-9945 Der einfluss der probeexcision auf das behandlungsergebnis bei collumcarcinom (The effect of biopsy on the therapeutic result in cancer of the uterine cervix). By J. Hörmann, 1939 1.50

9946-9960 Epulis (Epulis). By W. Hörmann, 1939 1.50

9961-9974 Untersuchungen über die gewebsdurchlässigkeit für rote und infrarote strahlen (Examinations on the permeability of tissues to red and infra-red rays). By G. Hofmann 1.50

9975-9989 Über die bedeutung der glassplitterstich- und schnittverletzungen an fahrinsassen und passanten bei verkehrsunfällen (Significance of stabbing and cutting wounds due to glass splinters, in passengers and passersby injured as a result of traffic accidents). By H. Hofmann, 1939 1.50

9990-14 Der vitamin-C-bedarf bei fieberhaften und verbrauchenden krankheiten (Vitamin-C requirements in febrile and consumptive diseases). By K. Hofmann, 1939 3.00

15-31 Über myositis ossificans circumscripta (Myositis ossificans circumscripta). By D. Hofmann-Credner, 1939 2.00

32-56 Kieferearcinome, ihre behandlung und deren ergebnisse (Cancer of the jaws, its treatment and results thereof). By F. Hohe, 1939 2.50

57-69 Heilungserfolge primärer und sekundärer schrumpfniere (Therapeutic results in primary and secondary contracted kidney). By E. Hollenberg, 1939 1.50

70-81 Beiträge zur klinischen sonderstellung der mukosus-otitis (Contributions to the special clinical position of mucosus otitis). By L. Honegk, 1939 1.50

FB N 73651. ERLANGEN, GERMANY, UNIVERSITY. Doctors' theses on medical subjects. (FIAT Microfilm Reel D 137, Frames 2294-3465) 1937-1939. 1172 f. Price: Microfilm-$6.00 - Enlargement print-$117.50

This FIAT microfilm reel consists of 67 items in the field of medicine. The material was obviously seized in the library of the above university. Individual items are listed below and will be available in the form of enlargement prints only; the entire reel may be purchased in microfilm form for $6.00. Please include FB and frame numbers when ordering individual items from this microfilm reel. In German.

Frames	Title	Price
2294-2303	Studien über den kohlehydratstoffwechsel bei muskeldystrophie (Studies of the carbohydrate metabolism in muscular dystrophy). By D. Fallikan, 1939.	1.50
2304-2316	Beiträge zur hemmung der glykolyse durch sauerstoff (Contributions to the problem of the inhibition of the glycolysis by oxygen). By W. Panwolf, 1939	1.50
2317-2328	Die nagelung des schenkelhalsbruches und ihre ergebnisse (Nailing in fractures of the neck of the femor and its results). By W. Panzer, 1939	1.50
2329-2347	Ein kriminalistisch bemerkenswerter raubmord und dessen klaerung (A criminologically interesting case of robbery with murder, and its elucidation). By H.J. Paulick, 1939	2.00
2348-2356	Die gelenkaffektionen bei meningokokkenmeningitis (Articular affections in meningococcic meningitis). By H. Petrick, 1939	1.50
2357-2373	Klinische erfahrungen mit der Takata reaktion an hand von faellen der inneren abteilung des Nymphenburger krankenhauses (Clinical experiences with Takata reaction in cases treated in the medical ward of the Nymphenburg Hospital). By E. Pfaffinger, 1938	2.00
2374-2395	Ueber die geschichtliche entwicklung der radiumtherapie in Deutschland und Frankreich einschliesslich Belgien (The historical development of radium therapy in Germany, France and Belgium). By A. Pfeiffer, 1938	2.50
2396-2405	Cysten des urachus (Cysts of the urachus). By I. Pfitzner, 1938	1.50
2406-2425	Ein fall multipler kartilaginserer exostosen (A case of multiple cartilaginous exostoses). By H. Pfoerringer, 1939	2.00
2426-2433	Die ergebnisse der serologischen reaktionen auf tuberkulose (Results of the serodiagnosis of tuberculosis). By F. Pfreimter, 1938	1.50
2434-2443	Untersuchungen ueber restzustaende diffuser spezifischer streuung im roentgenbild ohne noch bestehende aktivitaet (Studies on residues of diffuse specific dissemination in x-ray pictures in cases showing no evidence of active tuberculosis). By A. Platiel, 1938	1.50
2444-2457	Das krankengut der gutartigen geschwuelste des strahleninstitutes der universitaetsfrauenklinik in Muenchen (1913-1935) (Cases of benign tumors examined in the X-ray institute of the gynecological ward of the university hospital at Munich, 1913-1935). By H. Pleessner, 1939.	1.50
2458-2467	Ueber osteomyelitis des oberkiefers bei saeuglingen (Osteomyelitis of the upper jaw in babies). By G. Prentzell, 1938	1.50

751188 O—47——5—8

2468-2479 Die radioaktiven quellvorkommen des deutschen sprachraumes und ihre bedeutung fuer die volksgesundheit (Radio-active springs occurring in the territory of the German language, and their importance for the national health). By E. Primbs, 1938 1.50

2480-2487 Die bestimmung des volumens der einzelnen erythrocyten und sein verhalten bei verschiedenen krankheiten unter beruecksichtigung klimatischer faktoren (Determination of the volume of individual erythrocytes and its behavior in various diseases, with regard to climatic factors). By E. Probst, 1937 1.50

2488-2500 Beobachtungen an 22 faellen von streptokokkensepsis (Observations on 22 cases of streptococcal sepsis). By I. Proelss, 1938 1.50

2501-2544 Ueber nasenrachenpolypen (Polyps of the nasopharynx). By B. Prosinger, 1938 4.50

2545-2559 Hyperemesis gravidarum (Hyperemesis of pregnancy). By H.J. Puppel, 1938 1.50

2560-2571 Ueber die notwendigkeit des einfuehrung einer planmaessigen pflichtschulzahnpflege auf dem lande (The necessity of introducing a systematic dental care in rural compulsory schools). By H.G. Pruschke, 1939 1.50

2573-2584 Die fest verankerte bruecke unter besonderer beruecksichtigung des umgehungsbuegel (The fixed bridge with special consideration of the anchor). By E. Putzki, 1939 1.50

2585-2597 Ueber die bedeutung der erbanlage bei reaktiven depressionen (The significance of hereditary constitution in reactive depressions). By W. Raithel, 1937 1.50

2598-2609 Ueber primaere deflexionslagen (Primary deflection positions). By F. Rausch, 1937 1.50

2610-2722 Untersuchungen ueber die nahrungsaufnahme der werktaetigen in der porzellanstadt Selb (Studies on the nutrition of the workers of the porcelain manufacturing town of Selb). By E. Reichel, 1939 11.50

2723-2734 Spontanpneumothorax als sportverletzung (Spontaneous pneumothorax as a sport injury). By E.A. Reinicke, 1939 1.50

2735-2761 Ueber leberrupturen (Ruptures of the liver). By W. Restle, 1938 3.00

2762-2772 Ein beitrag zur roentgendiagnose von rueckenmarkstumoren (Contribution to the x-ray diagnosis of spinal cord tumors). By A. Rett, 1939 1.50

2773-2787 Medizingeschichtliche untersuchungen ueber die entstehung einiger wichtiger begriffe der infektionslehre (Medico-historical research into the origin of important conceptions of the science of infection). By F. Richter, 1939 1.50

2788-2804 Untersuchungen zur bestimmung und beurteilung der waermedurchgangszahl von kleidungsstoffen (Experiments for determining and evaluating the number of heat conductivity of clothing material). By F. Riecke, 1939 2.00

2805-2822 Stoffwechselsteigerung und blutbild bei hyperthyreose und Basedow (Increase of metabolism and blood picture in hyperthyreoidism and thyrotoxicosis). By R. Riedelm, n. d. 2.00

2823-2850 Myositis ossificans progressiva (Progressive myositis ossificans). By E. Ries, 1939 3.00

2851-2871 Ostéoarthropathie hypertrophiante pneumique bei einem zweijaehrigen kinde mit offenen schaedelfontanellen (Ostéoarthropathie hypertrophiante pneumique in a two-year-old child with open fontanels). By O. Roesch, 1938 2.50

2872-2884 Die hypophysenbestrahlung in der therapie der weiblichen genitalcarcinome (Irradiation of the pituitary gland in the treatment of cancer of the female genitals). By O. Rohlederer, 1938 1.50

2885-2900 Die vorteile der hochtourigen zentrifuge und ihre verwendung zur groessenbestimmung von bakterien der typhus-coligruppe auf verschiedenen naehrboeden (Advantages of high-speed centrifuges and their application for determining the size of bacteria of the typhoid-coli group on various culture media). By A. Roth, n. d. 2.00

2901-2913 Ein beitrag zur allgemeinen primaeren sarkomatose der haut (Contribution to the primary sarcomatosis of the skin). By A. Roth, 1939 1.50

2914-2930 Ueber ursachen und haeufigkeit der abrissfrakturen der patella, des olekranon und des tuberculum majus numeri an der chirurgischen universitätsklinik zu Muenchen (Causes and frequency of tear fractures of the patella, olecranon and tuberculum majus humeri, observed at the surgical ward of the university hospital at Munich). By R. Rubner, 1937 2.00

2931-2950 Jahreszeit und oeffentliche impfung (Season, and public vaccination). By W. Rudolf, 1939 2.00

2951-2961 Strahlenbehandlung insbesondere radiumbehandlung im bereich der mundhoehle (Kiefer und harter gaumen) (Irradiation treatment especially radium therapy at the level of the oral cavity (jaws and palate)). By K. Rueth, n. d. 1.50

2962-2975 Beschreibung einer sirenenaehnlichen missbildung (Description of a siren-like malformation). By K. Saltzmann, 1939 1.50

2976-3001 Die erste hilfe bei kieferverletzungen im vorderen kampfraum (First aid in jaw injuries in the battle area). By R.L.H. Sampimon, 1939 3.00

3002-3014 Ueber laufende untersuchungen bei protrahiert-fraktionierter tiefentherapie und ihre indikatorische bedeutung (Routine continued examinations in courses of prolonged fractionated deep irradiation therapy and the information derived therefrom). By C. Schaefer, 1939 1.50

3015-3030 Medicina Plinii, uebersetzt und in hinsicht auf unsere volksmedizin untersucht (Medicine Plinii, translated and examined with respect to our healing methods based on popular belief). By J. Schaefer, 1938 2.00

3031-3052 Ueber die gesundheitlichen und hygienischen massnahmen vor der errichtung von HJ Lagern und waehrend des lagerbetriebs (Report on the sanitary and health measures prior to the establishment of Hitler youth camps and during the camp-life itself). By K.F. Schaefer, 1938 2.50

3053-3069 Zur kasuistik der im herzen eingekeilten geschosse und geschossteile (Casuistic of projectiles and fragments of projectiles lodged in the heart).
By J.M.A. Schaffeld, 1939 2.00

3070-3079 Untersuchungen an allergischen hautkranken mit der methode Vaughan (Examinations of patients with allergic skin diseases by Vaughan's method). By O. Schaffner, 1939 1.50

3080-3104 Die osteochondritis deformans coxae juvenilis (Calvé-Legg-Perthes) mit besonderer berücksichtigung der roentgenologischen pfannenveraenderungen (Osteochondritis deformans coxae juvenilis (Calvé-Legg-Perthes) with special consideration of the roentgenologic changes at the level of the acetabulum)
By G. Chapchal, 1939 2.50

3105-3136 Boesartige epithelgeschwuelste in jugendlichen alter mit besonderer beruecksichtigung des kopf- und halsgebietes (Malignant epithelial neogrowths in juveniles with special consideration of those involving head and neck). By A. Scharnagl, 1939 3.50

3137-3146 Kiefergelenksankylose und ihre behandlung (Ankylosis of the mandibular joint and its treatment.
By R. Scheel, 1939 1.50

3147-3162 Einfluss der luft-und bodenradioaktivitaet auf das biologische geschehen (Ein beitrag zum wirkungsmechanismus der radioaktiven strahlungen) (Influence of the radio-activity of air and soil on biologic processes: a contribution to the mechanism of the effect of radioactive rays). By R. Scheibeck, 1938 2.00

3163-3179 Die geburtshilfe um Boër und Ossiander (Midwifery in Boër's and Ossiander's time). By H. Schenk, 1939 2.00

3180-3198 Die frakturen des os triquetrum (Fractures of the ostriquetrum).
By F. Scheppa, 1939 2.00

3199-3232 Vorschlaege zur bekaempfund der geschlechtskrankheiten unter zugrundelegung weltanschaulicher gesichtspunkte in erziehung, propaganda und gesetzreform (Suggestions for the control of venereal diseases on the basis of weltanschauung ideas regarding education, propaganda and law reform). By D. Schering, 1937 3.50

3233-3248 Ueber die auswertung von 500 berufungsverfahren vom aerztlichen standpunkt aus (The evaluation of 500 appeal proceedings from a medical point of view).
By E. Schick, n. d. 2.00

3249-3264 Identical with frames 3233-3249

3265-3282 Hat das trauma eine ursaechliche bedeutung fuer die akute eitrige osteomyelitis? (Is there a casual relation between trauma and acute purulent osteomyelitis?). By W. Schieber, 1939 2.00

3283-3303 Das magencarcinom unter besonderer beruecksichtigung seiner sekretionsverhaeltnisse (The carcinoma of the stomach studied with special regard to its secretory conditions).
By H. Schilling, 1939 2.50

3304-3315 Ueber die bedeutung der roentgenkontrastdarstellung insbesondere in der gynaekologie und geburtshilfe (The significance of x-ray contrast pictures, especially in gynecology and obstetrics).
By I. Schlaegel, 1938 1.50

3316-3324 Die parotisfistel und ihre bedeutung (The parotid gland fistula and its significance). By I. Schlauske, 1939 1.50

3325-3332 Untersuchungen ueber die wirkung von Polygonum hydropiper -wasserpfeffer- bei geburtshilfilchen blutungen (Investigations on the effect of Polygonum hydropiper /water pepper/ in cases of obstetrical hemorrhage).
By F.G. Schlickenrieder, 1939 1.50

3333-3342 Ueber das zusammentreffen von zahnprothesen und magenkrebs (Coincidence of artificial teeth and cancer of the stomach). By M. Schmahl, 1939 1.50

3343-3352 Ueber die verschiedenen zwerchfellformen im sagittalen roentgenbild und ihr zustandekommen (The various shapes of the diaphragm visualized in sagittal x-ray plates, and their genesis).
By A. Schmalzl, 1939 1.50

3353-3367 Ueber das magenkarcinom als todesursache nach mehr als fuenf jahre recidivfreiem gebaermutterkrebs (Cancer of the stomach as cause of death in cases where cancer of the uterus was cured or had been removed without showing evidence of relapse for more than 5 years).
By B. Schmid, 1939 1.50

3368-3379 Der resorptionsnachweis von blei nach perkutaner anwendung bleihaltiger salben, insbesondere ung. Diachylon, mittels abfangverfahren und mittels histochemischer methoden. (Detection of absorbed lead following percutaneous application of lead-containing ointments, especially Ung. Diachylon, by means of intercepting and histochemical methods). By J. Schmid, 1939 1.50

3380-3393 Ueber den altersaufbau allergischer zustaende, rheumatismus und allergie (Age distribution of allergic conditions, rheumatism and allergy).
By K. Schmid, 1938 1.50

3394-3416 Traumatische schaedigungen, insbesondere auch spaetschaedigungen, der nasennebenhoehlen (Traumatic lesions, especially late lesions of the nasal sinuses).
By L. Schmid, 1938 2.50

3417-3422 Die experimentelle rachitis an ratten nach Pappenheimer (Kostart Nr. 84 und kostart Nr. 84 neue modifikation) (Experimental rickets in rats according to Pappenheimer: diet No. 84 and diet No. 84 new modification).
By E. Schmidt, 1937 1.50

3423-3435 Ueber nichtodontogene kiefercysten (Non-odontogenic cysts of the jaw).
By H.G. Schmidtke, 1.50

3436-3448 Wachstum der chronischen stauungslunge (Growth of chronically congested lungs).
By E. Schmitt, n. d. 1.50

3449-3465 Teerschaeden (Noxious effects of tar).
By G. Schmitt, 1938 2.00

PB M 73357. ERLANGEN, GERMANY. UNIVERSITY. Doctors' theses on various medical subjects. (FIAT Microfilm Reel D 144, Frames 72-117h). 1937-1939. 1102 f.
Price: Mircofilm-$6.00 - Enlargement print-$110.50

Medical Research (contd)

This FIAT microfilm reel consists of items in the field of medicine. The material was obviously seized in the library of the above university. Individual items are listed below and will be available as enlargement prints only; the entire reel may be purchased in microfilm form for $6.00. Please include PB and frame numbers when ordering individual items from this microfilm reel. In German.

Frames	Title	Price
72-80	Über das verhalten des blutzuckers nach angestrengtem schwimmen (The behavior of blood sugar after strenuous swimming). By G. Wenke,	$ 1.50
81-91	Über syphilitische nephrosen (Syphilitic nephroses). By H. Meyer, 1938.	1.50
92-112	Beitrag zur akrodynie. Encephalitis vegetativa Selter (Contribution to acrodynia: encephalitis vegetativa Selter). By W. J. Meyer, 1939.	2.50
113-128	Klinische studie über 110 fälle von kryptorchismus (Clinical study of 110 cases of cryptorchism). By G. Müller, 1939.	2.00
129-133	Brauchbarkeit der neuzeitlichen desinfektionsmittel (Usefulness of modern disinfectants). By H. Müller, 1939.	1.50
134-141	Zur frage nach der ursache der vitamin-A-ausscheidung im urin (On the cause of the excretion of vitamin A in the urine). By K. Nemitz, 1939.	1.50
142-153	Die gefässveränderungen bei den verschiedenen formen der lungentuberkulose (Vascular changes in various forms of pulmonary tuberculosis). By B. Neubert, 1938.	1.50
154-178	Über missbildungen, ihre häufigkeit und über die ansichten ihrer entstehung. (Nach dem material der universitätsfrauenklinik Rostock der jahre 1926-1935) (Malformations, their frequency, and views on their origin: based on cases observed at the university women's hospital at Rostock during 1926 - 1935). By K. Niemitz, 1938.	2.50
179-197	Ein beitrag zur frage der entstehung des Stiedaschen knochenschattens (Contribution to the problem of the formation of Stieda's bone shadow). By K. Niemeyer, 1937.	2.00
198-210	Die bestimmung der ph-ionenkonzentration bei ozaena (Determination of the pH ion concentration in ozena). By U. Nierle, 1937.	1.50
211-220	Über das vorhandensein von "onkozyten", besonders in speicheldrüsengeschwülsten (The presence of "onkocytes", especially in tumors of the salivary glands). By N. Nittka, 1938.	1.50
221-230	Zwillingsschwangerschaft bei angeborener syphilis. (Ein beitrag zur frage der übertragung der syphilis auf die frucht (Twin pregnancy in cases of congenital syphilis: a contribution to the problem of the transmission of syphilis to the fetus). By H. Nolte, 1938.	1.50
231-244	Reizbildungs- und reizleitungsströrungen in den vorhöfen bei pleuromediastinaler schwartenbildung (Disturbances in the formation and conduction of stimuli in the auricles, observed in cases of pleuromediastinal scars). By H. Oberhof, 1939.	1.50
245-253	Das allgemein verbreitete emphysem (hautemphysem bei masern) (Generalized emphysema: cutaneous emphysema in measles). By F. Paul. n. d.	1.50
254-261	Ein fall von genuiner epilepsie mit spiegelbildlicher konkordanz bei zwei geschwistern (A case of genuine epilepsy with mirror-like concordance in two siblings). By J. Pensky. n. d.	1.50
262-269	Perniziöse anämie und magencarcinom (Pernicious anemia and gastric cancer). By H. Petrich, 1939.	1.50
270-291	Über operationen beim genitalen descensus und prolaps und bei retroflexio uteri an der Rostocker universitätsfrauenklinik aus den jahren 1934-1937 (Operations for descensus and prolapse of the genitals and for uterine retroflexion, performed at the Rostock university women's hospital during 1934 - 1937). By M. Pfeiffer, 1939.	2.50
292-300	Über leukozytäres blutbild und senkungsgenschwindigkeit der erythrozyten bei der grippeepidemic 1936 (Leucocytic blood picture and sedimentation rate of erythrocytes during the influenza epidemic of 1936). By H. Poetschke, 1938.	1.50
301-321	Über cataracta electrica mit entsprechenden versuchen am kaninchenauge (Cataracta electrica and pertinent experiments on the eyes of rabbits). By K. Quest. n. d.	2.50
322-341	Zur symptomatologie ungewöhnlicher fälle von Bang'scher krankheit (Symptomatology of atypical cases of Bang's disease). By E. R. Rausch, 1939.	2.00
342-359	Häufigkeit der appendektomie und beziehungen zwischen appendicitis und salpingitis. B. Klinischer teil (Frequency of appendectomy, and relations between appendicitis and salpingitis: B. Clinical part). By H. Rohne, 1939.	2.00
360-368	Über den einfluss von kalten seebädern und sonnenbädern auf die vitamin-C-ausscheidung im urin (Influence of cool sea-bathing and sun-bathing on the excretion of vitamin C in the urine). By H. Rose, 1937.	1.50
369-376	Über syphilitische periphere facialislähmung (Peripheral facial paralysis on syphilitic basis). By H. Rosenthal, 1939.	1.50
377-394	Beitrag zur frage der klinik und des wesens der Hand-Schüller-Christianschen krankheit (Contribution to the symptomatology and nature of Hand-Schüller-	

Christian's disease). By H. Rosenthal. n. d. 2.00

395-407 Kohlenhydratstoffwechselstörungen nach magenoperationen (Disorders of the carbohydrate metabolism after gastric operations). By G. Rossow, 1939. 1.50

408-415 Über die pleuraergüsse beim therapeutischen pneumothorax (Pleural effusions after therapeutic pneumothorax). By T. Roth, 1935. 1.50

416-424 Hautcarcinome des rumpfes und der extremitäten (Cutaneous cancers involving trunk and extremities). By W. Schafft, 1939. 1.50

425-433 Untersuchungen über den carothin- und vitamin-A-gehalt des blutserums (Investigations on the carotene and vitamin A content of blood serum). By I. Scherff, 1939. 1.50

434-456 Ergebnisse über 5149 appendicitisbehandlungen in den jahren 1927-1937 (Therapeutic results in 5149 cases of appendicitis treated during 1927 to 1937). By G. W. Schiemann, 1938. 2.50

457-464 Sind die die darmfunktion und den blutdruck beeinflussenden hypophysenhinterlappenextrakte identisch? (Are the two extracts of the posterior pituitary gland which influence intestinal function and blood pressure, respectively, identical?). By H. Schmidt, 1939. 1.50

465-476 Umschriebene leberveränderungen bei der congenitalen syphilis. Als nebenbefund eine cystitis emphysematosa. (Circumscribed hepatic changes in congenital syphilis, with cystitis emphysematosa as a secondary finding). By G. Schoenfelder, 1938. 1.50

477-487 Über das verhalten parenchymatöser organe bei artifiziellen starkstromverletzungen (The behavior of parenchymatous organs in artificial injuries through high-voltage current). By W. Schreiber, 1937. 1.50

488-493 Über veränderungen der fähigkeit, ascorbinsäure zu oxydieren und dehydroascorbinsäure zu reduzieren im training (Changes of the capability of the body to oxidize ascorbic acid and reduce dehydro-ascorbic acid during training). By W. Schroll, 1938. 1.50

494-503 Ergebnisse der röntgenmessung bei durchbohrenden fremdkörperverletzungen des auges (Resultate bei einer serie von 50 fällen der Rostocker universitätsaugenklinik) (Results of x-ray measurements in cases of perforating injuries of the eyes caused by foreign bodies: results of a series of 50 cases observed at the ophthalmologic department of the Rostock university hospital). By G. Schuett, 1938. 1.50

504-520 Häufigkeit der appendektomie und beziehungen zwischen appendicitis und salpingitis (Frequency of appendectomy, and relations between appendicitis and salpingitis). By M. Schwarz, 1939. 2.00

521-533 Beitrag zur arachnodaktylie (Contribution to arachnodactylia). By W. Segelitz, 1939. 1.50

534-540 Zur pathogenese der sogenannten coli-meningitis der neugeborenen (Pathogenese of the so-called "coli meningitis of the newborn"). By W. Segiel, 1939. 1.50

541-556 Untersuchungen über den nierenglomerulus (Investigations on renal glomeruli). By O. Sommer, 1933. 2.00

557-558 Inhaltsverzeichnisse aus med. zeitschriften (Indexes of medical journals). n. d. 1.50

559-571 Über colitis ulcerosa (Ulcerating colitis). By W. Stage, 1939. 1.50

572-607 Die zunahme des primären lungencarcinoms (Increase of the occurence of primary cancer of the lung). By H. Steinecke, 1939. 4.00

608-619 Beitrag zur frage der erythrocytenresistenz in der schwangerschaft (Contribution to the problem of the resistance of the erythrocytes during pregnancy). By C. W. Stockhausen, 1939. 1.50

620-633 Zur behandlung des kindlichen streptokokken-empyems mit prontosil (Treatment of streptococcic childhood empyema with prontosil). By I. Thede, 1938. 1.50

634-641 Zur kenntnis des "nephrotyphus" (On the knowledge of "nephrotyphoid"). By G. Tichelaar, 1939. 1.50

642-653 Traumatischer exophthalmus pulsans (Pulsating exophthalmus due to trauma). By H. H. Hede, 1939. 1.50

654-663 Die beziehungen zwischen innerer u. äusserer pankreassekretion (Relations between the internal and external secretion of the pancreas). By J. Uhrbach, 1939. 1.50

664-679 Zur behandlung bösartiger tumoren der oberen luftwege, insbesondere mit der röntgen-langzeitbestrahlung (Treatment of malignant tumors of the upper respiratory passages, particularly with prolonged x-ray irradiation). By B. von Varendorff, 1937. 2.00

680-693 Vitamin-A u. zahnsystem unter besonderer berücksichtigung der pathohistologischen veränderungen in den zähnen bei A-avitaminose u. A-hypervitaminose (Vitamin A and dental system, with special regard to the pathological and histological changes at the level of the teeth in vitamin A deficiency and A hypervitaminosis). By H. Vits, 1938. 1.50

694-711 Über knochenmarksfunktion zur zeit der schwangerschaft u. des puerperiums (The function of the bone marrow during pregnancy and puerperium). By H. Walther, 1937. 2.00

712-793 Die atypischen bakterienformen unter besonderer berücksichtigung des problems bakterieller generationswechselvorgänge (The atypical forms of bacteria with special regard to the problem of bacterial reproductive cycles). By F. Sander. n. d. 8.50

794-805 Über hefe-meningoencephalitis (Yeast meningo-encephalitis). By W. Arlat, 1938. 1.50

806-818 Über leber- u. milztumoren mit anämie bei morbus Bang (Hepatic and splenic tumors associated with anemia, in Bang's disease). By H. Graf v. Bassewitz, 1938. 1.50

819-826 Zur kenntnis der atypischen malignen haemangio-endotheliome der leber (On the knowledge of atypical malignant hemangio-endotheliomata of the liver). By E. Bendick. n. d. 1.50

827-838 Zur kenntnis der kreuzotterbisse (On the knowledge of bites of adders). By W. Bergmann, 1939. 1.50

839-851 Vergleichende untersuchungen über den gehalt an reduzierenden, jodbindenden substanzen nach zufuhr von schilddrüsenstoffen (Comparative studies concerning the content of the tissues of reducing, iodine-binding agents after administration of thyroid substances). By H. Berkling, 1938. 1.50

852-860 Erfolge der geburtshilfe in stadt u. land. Bericht über 11,328 geburten in Schwerin stadt, Schwerin land und Waren in den jahren 1933-1937 (Results of obstetrics in urban and rural districts: report of 11,328 deliveries in "Schwerin Stadt", "Schwerin Land", and Waren, during the period 1933 to 1937). By W. Blume, 1939. 1.50

861-878 Die myelopathien (Myelopathias). By J. Branig, 1939. 2.00

879-906 Der magen u. seine beeinflussung durch die normale schwangerschaft (The stomach and the influence of normal pregnancy upon it). By U. Brinkmann, 1938. 3.00

907-914 Wachstum u. differenzierung eines milchgangcarcinoms in haupttumor u. metastase (Growth and differentiation of a cancer of the lactiferous duct into primary tumor and metastasis). By H. Debelstein, 1937. 1.50

915-927 Blutbild u. senkungsgeschwindigkeiten bei lungentumoren (Blood picture and red cell sedimentation rate in pulmonary tumors). By H. Farenberg, 1939. 1.50

928-940 Diabetiker-katamnesen aus den jahren 1932-1936 an der med. universitätsklinik Rostock. Coma diabeticum (Catamneses of diabetics treated at the medical department of the Rostock university hospital from 1932 to 1936, with special regard to diabetic coma). By F. G. Denkhaus, 1937. 1.50

941-954 Klinisches u. statistisches zur multiplen sklerose in Mecklenburg (Clinical and statistical facts regarding multiple sclerosis in Mecklenburg). By R. Dorfmueller, 1939. 1.50

955-986 Über den lungenkrebs im gebiet der Freien Stadt Danzig (Pulmonary cancer in the territory of the free city of Danzig). By J. Drews, 1937. 3.50

987-994 Der postencephalitische morbus Basedow (Postencephalitic thyrotoxicosis). By W. Dudey. n.d. 1.50

995-1005 Zur kenntnis des Rose'schen kopftetanus (On the knowledge of Rose's tetanus of the head). By A. Ellermann, 1938. 1.50

1006-1018 Vergleichende lichtsinnprüfungen mit skotoptikometer u. adaptometer (Comparative tests of light preception by means of the scotopticometer and adaptometer). By E. Embacher, 1938. 1.50

1019-1031 Das verhalten des kreislaufs unter der geburt sowie der einfluss der temperatur auf den kreislauf u. die entstehung des hitzkollapses (Behavior of circulation during childbirth, influence of temperature on circulation, and development of heat prostration). By B. Eschenburg, 1939. 1.50

1032-1045 Schwangerenfürsorge u. geburt (Prenatal care and delivery). By E. Farrensteiner, 1939. 1.50

1046-1059 Über meralgia paraesthetica (Meralgia paraesthetica). By H. Giebiger, 1938. 1.50

1060-1071 Beitrag zur kenntnis des syndroms Waterhouse-Friderichsen (Contribution to the knowledge of Waterhouse-Friderichsen's syndrome). By H. Adolf-Foehrenbach, 1939. 1.50

1072-1083 Über die abdominale form des lymphogranulomes (The abdominal form of lymphogranuloma). By F. Giercke, 1938. 1.50

1084-1091 Vor- u. nachteile in der anwendung der kochkiste, insbesondere über die damit verbundene zerstörung von vitamin C (Advantages and disadvantages of a "kochkiste" / improvised fire-less cooker/, particularly with regard to the destruction of vitamin C by its use). By I. Grieben, 1939. 1.50

1092-1101 Sektionsbefunde bei über 80-jährigen. Feststellungen an leichengut des pathologischen institutes Rostock in den jahren 1921-1938 (Post mortem findings in individuals more than 80 years of age: Establishments on corpses examined in the pathologic institute at Rostock from 1921 to 1938) By H. Groddeck. n. d. 1.50

1102-1110 Untersuchungen über die beeinflussung des vitamin-A-spiegels im blutserum durch adrenalin (Investigations on influencing the vitamin A level in the blood

serum by adrenaline). By P. Guzinski, 1939. 1.50

1111-1127 Die therapie der placenta praevia u. der vorzeitigen lösung der normal sitzenden placenta an der Rostocker universitätsfrauenklinik (1. Jan. 1934 - 31. Juni 1937). (The management of placenta previa and of the premature detachment of a normally implanted placenta, as observed at the university women's hospital of Rostock from Jan. 1, 1934 to June 31, 1937). By K.-H. Haake. n. d. 2.00

1128-1137 Versuche über die art des vorkommens der ascorbinsäure im blut u. über ihre funktionelle bedeutung (Experiments regarding the forms in which ascorbic acid occures in the blood, and the functional significance thereof). By K. Habelitz, 1939. 1.50

1138-1155 Zum bilde der unvollständigen dextroversio cordis (The picture of incomplete dextroversio cordis). By H. Hadtstein, 1938. 2.00

1156-1163 Über die kombination von tabes dorsalis mit morbus Basedow (Combination of tabes dorsalis and thyrotoxicosis). By I. Hahn, 1938. 1.50

1164-1174 Der vitamin-C-gehalt einheimischer sommerkartoffeln u. seine bedeutung für unsere ernährung (The vitamin C content of domestic summer potatoes and its significance for our nutrition). By Z. Heidinger, 1937. 1.50

FB M 73358. ERLANGEN, GER. UNIVERSITY. Doctors' theses on medical and dental subjects. (FIAT Microfilm Reel D 145, Frames 1175-2285) 1937-1940. 1111 f.
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This FIAT microfilm reel consists of items in the fields of medicine and dentistry. The material was obviously seized in the library of the above university. Individual items are listed below and will be available as enlargement prints only; the entire reel may be purchased in microfilm form for $6.00. Please include FB and frame numbers when ordering individual items from this microfilm reel. In German.

Frames	Title	Price
1175-1184	Durch benzpyren-pinselung erzeugte tumoren bei verschiedener kostform bei mäusen (Tumors produced by painting with benzopyrene in mice fed different diets). By M. von der Heyde. 1939.	$1.50
1185-1195	Verletzungen der mutter bei der geburt als folgen geburtshilflicher eingriffe seitens des arztes (Birth injuries to the mother caused by obstetric interventions by the physician). By K. Heymann. 1938.	1.50
1196-1203	Ueber das zusammentreffen von malignen neubildungen untereinander und mit krankheiten nicht sekundärer art, nebst einigen weiteren statistischen beiträgen zur krebsfrage (Coincidence of several malignant neoplasmas and of malignant neoplasmas with diseases other than of a secondary nature, including further statistical contributions to the cancer problem). By H. Hilgert. 1939.	1.50
1204-1213	Ueber die dyspeptischen beschwerden bei lungenphthisikern (Dyspeptic disorders in patients with pulmonary tuberculosis). By G. Hintz. 1939.	1.50
1214-1227	Augenbefund und allgemeingefässbefund bei hypertonikern (Findings in regard to the eye-ground and the general condition of the blood vessels in patients with hypertension. Histological considerations based on 4 post mortem examinations). By E.A. Hoffmann. 1939.	1.50
1228-1232	Zur frage der wirkungsmöglichkeit von prontosil (Contribution to the applicability of prontosil). By W. Hofmann. 1938.	1.50
1233-1245	Bakteriologische untersuchung des blutes fieberkranker (Bacteriologic examination of the blood during fever). By E. Huebner. 1938.	1.50
1246-1255	Ein ungewöhnlicher fall von hypernephroider geschwulst mit amyloidose (An unusual case of hypernephroid tumor associated with amyloidosis). By H.U. Jackwitz. 1938.	1.50
1256-1268	Syringomyelia dolorosa (sensibilis) (Syringomyelia dolorosa (sensibilis)). By P. Jaerisch. n.d.	1.50
1269-1277	Ein doppelseitiges lymphom der konjunktiva (Bilateral lymphoma of the conjunctiva). By F. Junk. 1939.	1.50
1278-1289	Erfahrungen mit der operativen behandlung der senilen prolapse des uterus und der vagina nach Kahr (Experience with the surgical treatment of the senile prolapse of uterus and vagina according to Kahr). By O. Kabisch 1939.	1.50
1290-1305	Ueber blanden verlauf der akuten osteomyelitis (Mild course of acute osteomyelitis). By A. Keil. 1939.	2.00
1306-1330	Diagnose und prognose bei mund- und kieferkrankeiten mit hilfe des blutbildes (Diagnosis and prognosis of mouth and jaw diseases by means of the blood picture). By I. Keller. 1939.	2.50
1331-1336	Acetylcholinreaktion der muskeln und training (Acetylcholine reaction of muscles and physical training). By G. Kirchhoff. n.d.	1.50
1337-1344	Ueber einen fall einer eigentümlichen splenomegalie mit anaemie (A case of peculiar splenomegalia associated with anemia). By S. Klenke. 1939.	1.50
1345-1352	Ueber die klinische bedeutung der vitamin A-ausscheidung im urin (Clinical significance of the urinary excretion of vitamin A) By U. Klodwig. 1939.	1.50

1353-1382 Vergleichende erbbiologische untersuchungen an drei asocialen grossfamilien (Comparative heredobiologic investigations on three asocial kins). By W. Knorr. 1939. 3.00

1383-1391 Ueber die verteilung des lipofuscins in der skelettmuskulatur in ihrer beziehung zur funktion (The distribution of lipofuscin in skeletal muscles and the significance of this distribution for the function). By W. Kny. 1937. 1.50

1392-1399 Über intrakranielle blutungen bei säuglingen und frühgeburten (Intracranial hemorrhages in infants and prematures). By H. Koch. 1939. 1.50

1400-1411 Ueber den einfluss des lagerns auf den vitamin C gehalt verschiedener sorten roher und gekochter kartoffeln (The influence of storage on the vitamin C content of various kinds of raw and boiled potatoes). By H. Koehler. 1938. 1.50

1412-1426 Erfahrungen mit depot-insulin "Bayer" (Experience with depot-insulin "Bayer"). By H. H. Korb. 1939. 1.50

1427-1439 Die strangdurchtrennung nach Jacobaeus, ihre wirkung und nebenwirkung (Severing of adhesions according to Jacobaeus, its effect and by-symptoms). By H. Kreuzkamp. 1939. 1.50

1440-1445 Ein karzinosarkom der lunge (Carcinosarcoma of the lung). By F. Weber. 1939. 1.50

1446-1455 Ueber die ozonbehandlung in der zahnheilkunde (Ozone treatment in dentistry). By H.J. Weber. 1939. 1.50

1456-1467 Adaptationsprüfungen am ende der schwangerschaft und nach der entbindung als beitrag zur frage der lichtsinnstörungen während der schwangerschaft (Prenatal and postnatal adaptation tests, a contribution to the question of disturbances of light sense during pregnancy). By K. Wissmann. n.d. 1.50

1468-1475 Die regulation des kohlehydratstoffwechsels bei sport. Gleichzeitig ein beitrag zur sicherungsfunktion des adrenalins (The control of carbohydrate metabolism in sports, a contribution to the prophylactic function of adrenaline). By M. Wittern. 1938. 1.50

1476-1485 Über die hernia diaphragmatica permagna (Hernia diaphragmatica permagna). By H. Wolff. 1938. 1.50

1486-1504 Über symmetrische lipome der achselhoehle (Symmetric lipomata of the axilla). By E. von Aaken. 1939. 2.00

1505-1523 Seltene steinbildungen in gallenblase, darm und blase (Rare forms of biliary, intestinal and urinary calculi). By F.O. Altenburg. 1938. 2.00

1524-1543 Röntgenographische untersuchungen am dentin des ratten- und menschenzahns (Roentgenographic investigations on the dentin of rat teeth and human teeth). By F.J. Antweiler. 1939. 2.00

1544-1557 Vitamin-C-koerperhaushalt bei waisenhauskindern und stadtkindern in zusammenhang mit zahnkaries und ernährung (nach eigenen untersuchungen) (Vitamin C metabolism of orphanage and city children with regard to dental caries and nutrition: own examinations). By R. Aretz. 1939. 1.50

1558-1571 Untersuchungen ueber den schmelzansatz an menschlichen mahl- und backenzähnen, seine bedeutung für die kariesgenese und für unsere technischen massnahmen (z.T. auf grund von eigenen histologischen schliffen) (Investigations on the topography of the enamel of the premolars and molars in man, its importance for the origin of caries and for our technical measures: based partly on histological specimens ground by the author). By J. Baldus. 1940. 1.50

1572-1607 Bisherige ergebnisse der röntgenuntersuchung des skeletts in bezug auf konstitution und vererbung (untere extremität) (Present results of x-ray examinations of the skeleton in relation to constitution and inheritance: lower extremities). By K. Basting. 1939. 4.00

1608-1623 Ueber die untergruppen A_1 und A_2 und den wert der serumhemmungsreaktionen zu ihrer bestimmung (The sub-groups A_1 and A_2 and the value of the serum-inhibiting reactions for their determination). By B. Battes. 1939. 2.00

1624-1634 Ueber reihenuntersuchungen des grossen blutstatus und die wertung ihrer ergebnisse fuer die klinik des rheumatismus (Serial examinations of "the great blood status", and the evaluation of their results for diagnosis, symptomatology and treatment of rheumatic fever). By G. Baumann. 1939. 1.50

1635-1646 Vitamin B_1 -ausscheidung und chemischer nachweis im harn (Excretion of vitamin B_1 and its chemical detection in the urine). By G. Becker. 1939. 1.50

1647-1675 Ist die blutkörperchensenkungsgeschwindigkeit zur differentialdiagnose der angeborenen und erworbenen herzfehler zu verwerten? (Can the red cell sedimentation test be used for the differential diagnosis of congenital and acquired heart failures?). By I. Becker. 1939. 3.00

1676-1686 Eine methode zur fortlaufenden darstellung und registrierung der gefässdurchblutung und ihre anwendung im tierversuch (Method for the continuous demonstration and recording of the blood circulation in vessels and its application in experiments with animals). By P.J. Becker. 1939. 1.50

1687-1707 Änderung der pneumotachographischen atemkurve durch den biomotor bei bronchialasthma und emphysema (Change of the pneumotachographic respiratory curve by means of the biomotor in bronchial asthma and emphysema?) By H. Besken. 1939. 2.50

1708-1730 Zur frage der selbstausschaltung der tuberkulösen niere (The problem of "auto-elimination" of tuberculous kidneys). By K. Besselmann. 1940. 2.50

1731-1743 Die geburt in beckenendlage mit besonderer berücksichtigung der geburten an der Bonner universitätsfrauenklinik (Deliveries with breech presentation, with particular consideration of deliveries performed at the obstetrical ward of the university hospital at Bonn). By H. Birkhofen. 1939. 1.50

1744-1755 Untersuchungen über den erbgang bei kataracta zonularis (Investigations on the hereditary course of zonular cataract). By H. Bolsinger. 1940. 1.50

1756-1772 Die brauchbarkeit der trockenblutreaktion nach Chediak für die luesdiagnose (Value of the dry blood test according to Chediak for the diagnosis of syphilis). By W. Bongartz. 1939. 2.00

1773-1789 Säuglingssterblichkeit im kreise Bitburg und ihre ursachen unter berücksichtigung der bäuerlichen bevölkerung (Infant mortality in the district of Bitburg and its causes, with special regard to the rural population). By M. Brach. 1940. 2.00

1790-1800 Untersuchungen an zwillingen über die quantitativen und qualitativen merkmale des schreibdruckes (Investigations in twins on the quantitative and qualitative characteristics of the pressure exerted in hand writing). By H. von Bracken. 1939. 1.50

1801-1814 Herz- und kreislaufschäden durch metalle und ihre verbindungen (Cardiac and circulatory lesions caused by metals and their compounds). By A. Breuer. 1940. 1.50

1815-1827 Der kniescheibenbruch und seine behandlung (Fracture of the patella and its treatment). By S. Brunner. 1939. 1.50

1828-1835 Ueber die beziehungen zwischen typ der kammeranfangsschwankung und typ der kammerendschwankung im Ekg. (Relations between the types of the initial and the terminal ventricular fluctuation in electrocardiograms). By H. Bruns. 1939. 1.50

1836-1857 Ueber die alterseschätzung aus dem gebiss bei tier und mensch (Estimation of the age of animal and man, based on conditions of the teeth). By J. Buchem. 1939. 2.50

1858-1875 Beitrag zur kenntnis über kariesanfälligkeit blutsverwandter individuen und deren nachkommen (Contribution to the knowledge of the susceptibility to caries of individuals related by blood and of their descendants). By A. Buschner. 1940. 2.00

1876-1886 Ueber den einfluss von halogenessigsäure und fluorid auf die hexose di- und hexose monophosphatbildung in der leber (Influence of halogenated acetic acid and fluoride on the formation of hexose di- and monophosphates in the liver). By J. Buers. 1940. 1.50

1887-1906 Ueber eine besondere form der inkontinentia urinae (mündung eines überzähligen ureters in vestibulum vaginae) (A unique type of urinary incontinence: opening of a supernumerary ureter into the vestibulum vaginae). By H. Buntrock. 1939. 2.00

1907-1923 Über die ergebnisse der operativen behandlung der medialen schenkelhalsfraktur an der chirurgischen klinik, dem St. Johannes-hospital und dem Elisabeth-krankenhaus in Bonn (Results of surgical treatment of medial fractures of the neck of the femur carried out at the surgical, St. Johannes and Elisabeth hospitals at Bonn). By G. Busmann. 1940. 2.00

1924-1933 Experimentelle untersuchungen ueber die tuberkulose der meerschweinchenniere (Experimental investigations on renal tuberculosis in guinea-pigs). By H. Caesar. 1940. 1.50

1934-1946 Ueber den einfluss des rhodanids auf den phosphatstoffwechsel des quergestreiften muskels (Influence of thiocyanate on the phosphate metabolism of striated muscles). By H. Clemens. 1940. 1.50

1947-1954 Ueber vorkommen und behandlung der placenta praevia an der Bonner universitätsfrauenklinik in den jahren 1918-1939 (Incidence and treatment of placenta praevia at the obstetrical ward of the university hospital of Bonn during the period from 1918 to 1939). By H.W.C. Coester. 1940. 1.50

1955-1970 Pleuraexsudat als komplikation bei doppelpneumothorax (Pleural effusion as a complication of bilateral pneumothorax). By R. Cronenberg. 1939. 2.00

1971-1977 Blutzuckerbelastung in verschiedenen lebensaltern (Blood sugar tolerance test in various ages). By H. Dahmann. 1939. 1.50

1978-1996 Über atypisches chorionepithelion (bericht ueber einen fall) (A typical chorionepithelioma: Case report). By O. Dau. 1939. 2.00

1997-2003 Quantitative bestimmungen der unverseifbaren substanzen in nahrungsfetten (Quantitative determination of unsaponifiable substances in food fats). By K. Ehrenmann. 1939. 1.50

2004-2016 Versuch einer störung der immunität und reaktivierung alter tuberkulöser herde beim meerschweinchen durch behandlung mit colilimpfstoff (Experimental attempts at disturbing the immunity and at reactivating old tuberculous foci in guinea-pigs by treatment with coli vaccine). By T. Eickhoff. 1939. 1.50

2017-2032 Über die beziehungen zwischen "angeborenem schwachsinn" im sinne des gesetzes zur verhütung erbkranken nachwuchses und asozialität. Dargestellt an einer sippe (Relations between "congenital feebleminedness" as conceived by law for the prevention of progeny carrying hereditary diseases, and asocial behavior. Represented on a group of kinsfolk). By J. Engbrocks. 1940. 2.00

2033-2057 Beobachtungen über die sogenannte idiopathische ösophagusdilatation (Observations on so-called "idiopathic esophagus dilatations"). By F. Evers. 1939. 2.50

2058-2070 Das kulturelle verhalten der kaltblütercolibazillen (Cultural behavior of coli bacilli of cold-blooded animals). By H. Fahle. 1938. 1.50

2071-2084 Über retrosternale strumen am Mittelrhein unter besonderer berücksichtigung der fälle aus der medizinischen poliklinik Bonn (In den letzten jahren) (Retrosternal strumata in the region of the middle Rhine, with particular consideration of cases treated at the medical out-patients department at Bonn (record of recent years)). By H. Fassbender. 1940. 1.50

2085-2106 Zur frage der osteosynthese (The problem of osteosynthesis). By R. Frere. 1940. 2.50

2107-2119 Die adnextuberkulose des mannes mit besonderer berücksichtigung des semicastration und epididymektomie (Tuberculosis of the male genital appendages with particular consideration of semi-castration and epididymectomy). By H. Fuesser. 1940. 1.50

2120-2131 Der verlauf der poliomyelitisepidemie 1938-1939 bei der behandlung der Bonner kinderklinik (Course of the 1938-1939 epidemics of poliomyelitis as influenced by the therapeutic measures of the pediatric ward of the university hospital of Bonn). By C. Funken. 1939. 1.50

2132-2139 Über den nachweis von tuberkelbazillen bei kindern durch untersuchung des mageninhalts (On the detection of tubercle bacilli in children by examining their stomach contents). By G. Geller. 1939. 1.50

2140-2157 Statistisches über die auswirkungen des reichsgesetzes zur bekämpfung der geschlechtskrankheiten vom 18. Febr. 1927 in Bonn (Statistical data regarding the consequences for Bonn of the Reich Bill for the control of venereal diseases of Feb 18, 1927). By S. Gerecke. 1939. 2.00

2158-2186 Röntgenbestrahlung bei Basedow (X-ray therapy in thyrotoxicosis). By R. Gilla. 1939. 3.00

2187-2215 Same as frames 2158-2186.

2216-2230 Bewirkt der zusatz von färbemitteln zur keramischen einbettmasse eine veränderung der farbe der gebrannten porzellanfüllung? (Does addition of coloring media to the ceramic embedding substance cause a change in color of the burnt porcelain fillings?). By I. Grosse-Kruse. 1940. 1.50

2231-2246 Über die beziehungen zwischen erbmasse und umweltbedingungen als ursache und fördernder faktor bei eigentumsverbrechen (The relations between heritable substance and environmental conditions as cause and stimulant factor in property crimes). By I. Haarmann. 1939. 2.00

2247-2256 Über die beseitigung von milchsäure in der isolierten froschlunge (Elimination of lactic acid in the isolated frog's lung). By P. Haase. 1940. 1.50

2257-2278 Über die säurespaltung von glukose, saccharose und laktose durch bact. coli des normalen säuglingsstuhles. Quantitative bestimmung der hierbei gebildeten säuremengen (The acid cleavage of glucose, saccharose and lactose by bacterium coli present in the normal feces of infants: Quantitative determination of the amount of acid thus formed). By G. Hahn. n.d. 2.50

2279-2285 Die begutachtung von kranken mit diabetes mellitus auf invalidität und arbeitsunfähigkeit (Expert opinion on patients affected with diabetes mellitus, with respect to their disability and inability for work). By H. Hammesfahr. 1939. 3.50

Continued on FIAT microfilm reel D 146, frames 2286-2312, PB77390

PB M 73390. ERLANGEN, GERMANY. UNIVERSITY. Doctors' theses on medical subjects. (FIAT Microfilm Reel D 146, Frames 2286-3404.) 1938-1940 1118 f. Price: Microfilm-$6.00 - Enlargement print-$112.00

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Frames	Title	Price
2286-2312	Conclusion of last report of reel D 145 (PB 73358), frames 2279-2285.	
2313-2324	Die latenzzeit der druckmuskelzuckung (Latent period of the pressure contraction of muscles). By D. O. Hasenbrink, 1939.	$1.50
2325-2339	Untersuchungen ueber den senkungseffekt kolloidaler loesungen unter besonderer berücksichtigung ihrer konzentration und viskosität (Investigations on the sinking effect of colloidal solutions with special regard to their concentration and viscosity). By A. Hasselmann, 1938.	1.50
2340-2349	Kritische nachprüfung der serumreaktion von H.F. Kürten auf ihren wert als hilfsmittel zur krebsdiagnose (Verification test of H.F. Kuerten's serum reaction as to its value as an aid in the diagnosis of cancer). By G. Hausmann, 1940.	1.50
2350-2362	Ueber den mechanischen schulterblatthochstand ("Sprengel'sche deformitaet") (Mechanical upward-displacement of the shoulderblade: "Sprengel's deformity"). By W. Heimbach, 1939.	1.50
2363-2378	Hirnblutung bei haemorrhagischer diathese (Cerebral hemorrhage in hemorrhagic diathesis). By M. Heimleim, 1940.	1.50
2379-2406	Klinik und therapie des morbus Basedow an der chirurgischen universitaetsklinik in Bonn von 1928-2938 (Diagnosis, symptomatology and treatment of thyrotoxicosis at the surgical ward of the Bonn University Hospital (1928-1938)). By R.W. Heinrich, 1939.	3.00
2407-2435	Bisherige ergebnisse bei der roentgenuntersuchung des skeletts in bezug auf konstitution und vererbung (obere extremitaet) (Results of x-ray examination of the skeleton as to constitution and inheritance: upper extremity). By F. Heiser, 1939.	3.00
2436-2458	Ueber die bedeutung des weissen blutbildes fuer die diagnose, differenzialdiagnose und prognose bei den entzündlichen erkrankungen des mittelohrs und ihrer komplikationen (Significance of the white blood pattern for diagnosis, differential diagnosis and prognosis in inflammatory diseases of the middle ear and their complications). By H.W. Heister, 1940.	2.50
2459-2479	Zur differentialdiagnose von hohlraeumen in den lungen (Differential diagnosis of pulmonary cavities). By M. Herkenrath, 1938.	2.50
2480-2491	Messungen an handschriftproben von zwillingspaaren unter 14 jahren (Measurements on samples of handwriting of twins below 14 years). By E. Hermann, 1939.	1.50
2492-2502	Untersuchungen experimentelle purpura bei der weissen maus (Investigations on purpura experimentally produced in white mice). By J. Herakes, 1938.	1.50
2503-2518	Ursachen der säuglingssterblichkeit im kreise Saarburg (Causes of infant mortality in the district of Saarburg). By A. Hill, 1940.	2.00
2519-2536	Experimentelle untersuchungen ueber die beeinflussung des kohlehydratspaltungsvermögen der colibazillen gegenüber saccharose, salizin und ducit (Experimental investigations of the possibility of influencing the carbohydrate-cleaving power of bacterium coli for saccharose, salicin and dulcitol). By W. J. Hillemanns, 1939.	2.00
2537-2554	Zur frage der spaltbildung des atlas (The problem of the origin of fissures in the atlas). R. Hoenscheid, 1940.	2.00
2555-2581	Recurrensparesen und tetanie nach strumektomie (Fälle der chirurgischen universitätsklinik Bonn vom 1.4.28-1.4.38) (Recurrent nerve paralysis and tetany after strumectomy: cases of the surgical ward of the Bonn University Hospital (Apr 1, 1928 - Apr 1, 1938)). By H. J. Hoerkens, 1939.	3.00
2582-2598	Klinische untersuchungen an der experimentellen (Masugi) nephritis des kaninchen (Clinical examinations on nephritis produced experimentally in rabbits (Masugi's nephritis)). By G. Hopp, 1939.	2.00
2599-2608	Beitrag zur entstehung der hämatomyelie (Contribution to the origin of hematomyelia). By M. Huebner, 1939.	1.50
2609-2621	Ursachen fuer die verspätete einleitung der malariabehandlung bei progressiver paralyse (Causes for belated introduction of malaria therapy in general paresis). By K. Huendling, 1939.	1.50
2622-2633	Beiträge zur untersuchung einiger sparteinabkömmlinge auf ihre flimmerwidrige wirkung am froschherzen (Contribution to the examination of some sparteine derivatives as to their antifibrillation effect on the frog heart). By W. Jack, 1939.	1.50
2634-2643	Die bakteriologie der vergrünenden keime in zahngranulomen (Bacteriology of sicro-organisms (that turn green) in dental granulomata). By H. Ibing, 1940.	1.50
2644-2662	Ist die radikalle operation der chronischen apicalen paradentitis bei fokaler infektion als eine verlassliche therapie anzusehen? (May radical operation for chronic apical paradentitis be considered a reliable treatment in focal infection?). By W. Junker, 1939.	2.00
2663-2691	Über die beurteilung des reifegrades der frucht bei zwillingsgeburten (Evaluation of the degree of maturity of the fetus in twin births). By W. Kasseller, 1939.	3.00
2692-2707	Untersuchungen über die änderung des atemtypus durch den biomotor beim gesunden. (Mit unterstützung des westdeutschen tuberkuloseforschungsinstitutes) (Investigations on the change of the type of respiration in healthy individuals, by means of the biomotor; with the assistance of the "Westdeutsches Tuberkuloseforschungsinstitut") By A. Kahn, 1939.	2.00
2708-2727	Untersuchungen über die viskosität des blutplasmas bei kochsalz frei ernährten hypertonikern (Investigations of the viscosity of the blood plasma in persons with hypertension that receive a salt-free diet). By B. Karhoff, 1939.	2.00

2728-2743 Das blutbild bei lymphogranulomatose (Blood picture in lymphogranulomatosis). By H. Kikiut, 1940. 2.00

2744-2759 Same as 2728-2743.

2760-2772 Einwirkung von nahrungsfetten auf das blut (Effect of dietary fats on the blood). By I. Knecht, 1939. 1.50

2773-2786 Die haftpflicht des zahnarztes bei ungünstig verlaufener wurzelbehandlung mit granulombildung und anschliessender fokaler infektion (Liability of the dentist in a case where the treatment of a dental root performed by him leads to ill results in that a granuloma forms and focal infection follows). By A. Knust, 1940. 1.50

2787-2804 Okklusionsileus durch den ductus omphalomesentericus (Intestinal occlusion caused by the omphalo-mesenteric duct). By K. Kohlberger, 1940. 2.00

2805-2821 Experimentelle untersuchungen ueber das wesen und den stoffwechsel bei dem sogenannten renalen diabetes (DS) (Experimental investigations on the nature of and the metabolism in so-called "renal diabetes (DS)"). By R. Kortum, 1939. 2.00

2822-2834 Beitrag zur klinischen diagnose des zwerchfellspaltes beim neugeborenen (Contribution to the clinical diagnosis of the diaphragmatic gap in the new-born). By M. Kraemer, 1940. 1.50

2835-2847 Ueber nabelschnurbrüche und ihre behandlung (Hernias of the umbilical cord and their treatment). By A. Krane, 1940. 1.50

2848-2862 Ergebnisse der hormonbehandlung bei gypoplasia uteri an der universitätsfrauenklinik, Bonn (Results of hormone therapy for hypoplasia uteri at the gynecological ward of the Bonn University Hospital). By M. Kuhlmann, 1.50

2863-2879 Über indikationsstellung, technik und ergebnisse der tonsillektomie mit einem überblick über die funktion der tonsillen (Indication, technique and results of tonsillectomy, and synopsis of the function of the technique). By G. Laplanche, 1939. 2.00

2880-2895 Die alterserscheinungen der phosphatzemente (Changes of phosphate cements due to aging). By P. Lochers, 1939. 2.00

2896-2905 Über die behandlung des pleuraempyems; erfahrungen aus der chirurgischen universitätsklinik Bonn und den Johanneshospital Bonn (Experiences gathered at the surgical divisions of the university hospital and Johannes Hospital at Bonn). By J. Lorscheid, 1939. 1.50

2906-2941 Erfahrungen und ergebnisse der behandlung der nierentuberkulose (Experiences with and results of treatment of renal tuberculosis). By M. Lugge, 1940. 4.00

2942-2955 Die operative behandlung der retentio testis inguinalis und ihre ergebnisse (Surgical treatment of testicles retained in the inguinal canal and its results). By H. Madehein, 1939. 1.50

2956-2970 Wohnungsfürsorge des nationalsozialistischen Deutschlands für die arbeitende bevölkerung und die leistungen der Bonner arbeiter-wohnungsgenossenschaft auf diesem gebiete (Housing activity of national-socialistic Germany for the benefit of the working people, and the achievements of the Bonn workers housing cooperative in this sector). By H. Maennicke, 1940. 1.50

2971-2982 Der einfluss von gonadotropic hormon auf das corpus luteum der frau (Influence of gonadotropic hormone on the corpus luteum in females). By D. Majakos, 1940. 1.50

2983-2994 Histologische und kulturelle ergebnisse bei mit lebendem und abgetötetem tuberkulösem impfstoff vorbehandelten und mit lebenden vollvirulenten tuberkuloazillen superinfizierten meerschweinchen (Histological and cultural results from the pre-treatment of guinea-pigs with living and destroyed tuberculous inoculation material and subsequent superinfection with living, fully virulent tuberculosis bacilli). By A. Menke, 1939. 1.50

2995-3003 Respiratorische arrhythmie bei "positions"-linkstyp im elektrokardiogramm (Respiratory arrhythmia in electrocardiographic left deviation). By W. Meyer, 1939. 1.50

3004-3020 Vergleichende untersuchungen über korrosion and farbbeständigkeit neuer dentallegierungen auf der silberbasis (Comparative studies on corrosion and color fastness of new dental alloys based on silver). By W. Meyers, 1940. 2.00

3021-3031 Untersuchungen über die flockungsreaktion nach Takata (Investigations on the flocculation test according to Takata). By A. Moesgen, 1940. 1.50

3032-3044 Der einfluss hoher drucke auf den ruhestrom der froschhaut (Influence of high pressures on the rest current of the frog skin). By H. Mueckter, 1939. 1.50

3045-3060 Bietrage zur kenntnis der hautartefakte (Contribution to the knowledge of artefacts of the skin). By J. F. Mueller, 1940. 2.00

3061-3071 Die osteochondritis im grosszehengrundgelenk und deren beziehung zum hallux rigidus (Osteochondritis of the basal joint of the big toe and its relation to hallux rigidus). By O. Mueller, 1940. 1.50

3072-3081 Tuberkulose-serologie im liquor cerebrospinalis (Spinal fluid serodiagnosis of tuberculosis). By O. H. Mueller, 1938 1.50

3082-3116 Die perorale behandlung des diabetes mellitus (Methodologische untersuchung therapeutischer arbeiten) (Peroral treatment of diabetes mellitus: methodological examinations of therapeutic studies). By W. Mueller, 1939. 3.50

3117-3138 Zur frage der manifestation und verschlimmerung endogener psychosen und puerperaler zustandsbilder durch fehl- und frühgeburt (Manifestation and exacerbation of endogenous psychoses and of transitory psychiatric symptoms, due to miscarriage and premature birth). By C. Mueller-thiesen, 1940. 2.50

3139-3151 Ueber das caput obstipum musculare congenitum (Unter berücksichtigung von 33 in der chirurgischen klinik Bonn operierten fällen) (Caput obstipum musculare congenitum: with regard to 33 cases operated on in the surgical division, Bonn). By F. Neumann, 1940. 1.50

3152-3165 Messungen an handschriften con zwillingspaaren ueber 14 jahren

(Measurements on handwritings of twins older than 14 years). By E. Nicolay, 1939. 1.50

3166-3174 Respiratorische änderungen der systolendauer bei hypertonikern (Respiratory changes in the duration of the systole in patients with hypertension). By E. Niewoehner. 1.50

3175-3204 Subcutane nierenverletzungen (Subcutaneous renal injuries). By H. Nittinger, 1939. 3.00

3205-3212 Untersuchungen ueber die respiratorische arrhythmie bei hypertonikern (Investigations on respiratory arrhythmia in patients with hypertension). By P. Overlack, 1938. 1.50

3213-3227 Ueber brüche des fersenbeins (Fractures of the calcaneus). By W. Paulich, 1939. 1.50

3228-3238 Beitrag zur frage der empfindlichkeit des weissen maus gegenüber pneumokkentoxin (Contribution to the problem of the sensitivity of white mice to toxin of pneumococci). By W. Pfeiffer, 1940. 1.50

3239-3254 Klinische erfahrungen mit basergin in der nachgeburtsperiode bei schnittentbindungen und im wochenbett (Clinical experiences with basergin in the placental period, in cases of delivery by cesarean section, and in childbed). By C. Plesser, 1940. 2.00

3255-3268 Ein beitrag zur frage der cystenleber (Contribution to the problem of cystic liver). By H. Pohl, 1940. 1.50

3269-3287 Der gesundheitszustand der textilarbeiter im kreise Borken-Bocholt (State of health of textile workers in the district of Borken-Bocholt). By R. Raven, 1940. 2.00

3288-3300 Nachprüfung der bestrahlungserfoge bei der arthrosis deformans an krankengut der chirurgischen universitätsklinik in Bonn (Checking the irradiation results in arthrosis deformans treated in the surgical ward of the Bonn University Hospital) By E. Rehker, 1939. 1.50

3301-3319 Ueber die erfahrungen mit knochenspantransplantation bei der lokalisierten ostitis fibrosa cystica (Experience with bone grafting in localized osteitis fibrosa cystica). By F. Rismel, 1940. 2.00

3320-3334 Schwangerschaft nach plastischen operationen an muttermund (Pregnancy after plastic operations on the cervix uteri). By M. Ruster, 1939. 1.50

3335-3345 Beitrag zur frage der enterokokkenerkrankungen (Contribution to the problem of enterococcic diseases). By W. von Sambeck 1940. 1.50

3346-3362 Über fälle von perforierten magen- und duodenalgeschwären aus der chirurgischen universitätsklinik und dem St. Johanneshospital in Bonn von 1928-1939 (Cases of perforated gastric and duodenal ulcers observed in the surgical ward of the university hospital and St. John's hospital at Bonn during 1928-1939). By A. Sass. 2.00

3363-3374 Die osteomyelitis des stirnbeins unter besonderer berücksichtigung der diagnose und der therapie (Osteomyelitis of the frontal bone with special regard to diagnosis and treatment). By W. Schaefer, 1939. 1.50

3375-3394 Die behandlung des scharlachs mit schwangerenserum (Treatment of scarlet fever with pregnancy serum). By H. Schalk, 1940. 2.00

3395-3404 Ueber die serologie der tuberkulose mit einem versuch, die störenden faktoren der tuberkulose-diagnostik durch eine bestätigungsreaktion auszuscheiden (Serology of tuberculosis with an attempt to eliminate factors interfering with the diagnosis of tuberculosis, by means of a verification test). By H. Scheil, 1939. 1.50

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3447-3471	Über die beziehungen der makroskopischen, mikroskopischen und chemischen untersuchungsergebnisse des magennüchternsaftes zu den gastritiden (Results of macroscopic, microscopic and chemical examinations of the juice of the empty stomach in their relation to the types of gastritis). By J. Schütz, 1939	2.50
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3500-3520	Operations- und dauererfolg bei strabismus konvergens und ihre ursachen (Reasons of lasting results of the surgical treatment of convergent strabismus). By F. Strombach, 1939	2.50
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3547-3567	Krebs und strahlentherapie. Ein bericht über die histologische untersuchung zweier mit strahlen behandelten karzinome (Cancer and irradiation therapy: a report on the histological examination of two cancers treated with irradiation). By F. Symann, 1939	2.50
3568-3591	Impetigo herpetiformis gestationis (Bericht über einen fall) (Report of a case of impetigo herpetiformis gestationis). By E. Theil, 1939	2.50

3592-3606 Zuordnungsversuche an schriftproben von zwillingen (Coordination experiments with samples of handwritings of twins). By E. Thelen, 1939 1.50

3607-3622 Methodologische untersuchungen der therapeutischen veröffentlichungen über die bazilläre ruhr (Methodologic studies of the publications on the treatment of bacillary dysentery). By H.J. Thoeren, 1940 2.00

3623-3630 Beitrag zur methodik der milchsäurebestimmung nach Mendel-Goldscheider (Contribution to the methodology of determining lactic acid according to Mendel-Goldscheider). By A. Tholen, 1940 1.50

3631-3642 Über den einfluss sulfonamidhaltiger verbindungen auf das wachstum von bakterien mit besonderer berücksichtigung des prontosils (Influence of compounds containing sulfonamide upon the growth of bacteria, with special regard to prontosil). By E. Thomas, 1939 1.50

3643-3658 Bericht über die fälle von mammasarkom an der chirurgischen universitätsklinik und dem St. Johannes-hospital zu Bonn von 1908-1939 (Report on the cases of breast sarcoma observed at the surgical department of the university hospital and at the St. Johannes hospital at Bonn during 1908-1939). By J. Tils, 1940 2.00

3659-3665 Der einfluss von progesteron auf die ausscheidung des gonadotropen hormons im harn von frauen ausserhalb der geschlechtsreife (The influence of progesterone on the secretion of the gonadotropic hormone in the urine of women beyond the age of sexual maturity). By R. Trappmann, 1940 1.50

3666-3682 Über die säurespaltung mehrerer pentosen, hexosen, disaccharide und mehrwertiger alkohole durch paratyphus-B und enteritis-Breslau-bazillen: Quantitative bestimmung der hierbei gebildeten säurenengen (Acid cleavage of various pentoses, hexoses, disaccharides and polyvalent alchols by means of paratyphoid B and enteritis Breslau bacilli: quantitative determination of the acid formed in this process). By C. Uhlenbruck, 1940 2.00

3683-3689 Untersuchungen über die relative systolendauer bei kranken mit lungentuberkulose (Investigations on the relative duration of the systole in patients with pulmonary tuberculosis). By H. Upmann, 1939 1.50

3690-3712 Über das retothelsarkom in seiner histologischen und klinischen bedeutung (The retothelial sarcoma and its histologic and clinical significance). By A. Verhagen, 1939 2.50

3713-3730 Prüfung zweier sparteinderivate auf ihre wirkung gegen plasmodium cathemerium (Testing of two sparteine derivatives as to their action on Plasmodium cathemerium). By . Verhoff, 1939 2.00

3731-3747 Osteomyelitis und trauma unter berücksichtigung von 320 bearbeiteten fällen aus der chirurgischen universitätsklinik und dem Johanneshospital in Bonn in der zeit von 1928-1940 (Osteomyelitis and trauma, with consideration of 320 cases studied at the surgical department of the university hospital and at the St. Johannes hospital at Bonn during 1928-1940). By H. Vogel, 1940 2.00

3748-3762 Zusammenhang zwischen staublunge und lungentuberkulose (Relation between pneumoconiosis and pulmonary tuberculosis). By H. Vogels, 1939 1.50

3763-3775 Dauerergebnis mit einseitigem pneumothorax ohne ergänzungsoperationen (Lasting results of unilateral pneumothorax without additional surgical intervention). By J. Wambach, 1940 1.50

3776-3787 Lymphogranulomatose und schwangerschaft (Lymphogranulomatosis and pregnancy). By H. Warlimont, 1939 1.50

3788-3799 Über die wirkung kochsalzfreier ernährung auf den organismus, insbesondere auf die magensekretion (Effect of salt-free diet on the organism, especially on gastric secretion). By E. Wiedemann, 1939 1.50

3800-3827 Formen und bedeutung der aplasie und hypoplasie der niere des menschen (Types and significance of renal aplasia and hypoplasia in man). By W. Wildt, 1940 3.00

3828-3838 Die behandlungserfolge der in den jahren 1910-1938 an der Bonner augenklinik operierten aderhautsarkome (Therapeutic results of operations performed for sarcomas of the choroid in the ophthalmologic hospital at Bonn during 1910-1938). By R. Wirtz, 1939 1.50

3839-3852 Entstehungsmechanismus, symptomatologie und behandlung der schulterblattbrüche (Mechanism of origin, symptomatology and treatment of the fractures of the shoulderblade). By H. Wolff, 1939 1.50

3853-3865 Über muskelerkrankung bei grippe mit einem kasuistischen beitrag zur grippemyositis (Muscular disease during influenza, with the report of a case contributing to the knowledge of myositis influenza). By J. Wüsten, 1939 1.50

3866-3885 Biologie und klinik der spermatozoen. Experimentelle untersuchungen am menschlichen sperma, ausserhalb des körpers und im weiblichen organismus (Biology and "clinical behavior" of spermatozoa: experimental studies of human semen outside the body and inside the female organism). By D. Belonoschkin, 1939 2.00

3886-3915 Die vitamin-C-darstellung im gewebe und ihre bedeutung zur funktionellen analyse von histosystemen (The demonstration of vitamin C in the tissue and its importance for the funtional analysis of histologic systems). By E. Tonutti, 1940 3.00

3916-3921 Die kurortbehandlung der mitralstenose (The spa treatment of mitral stenosis). By A. Adamsli, 1940 1.50

3922-3928 Beeinflussung der B_1-avitaminose durch sterinhormone (Influencing the B_1 avitaminosis by means of hormones of the sterol group). By E. Albrecht, 1940 1.50

3939-3938 Die zahlen - und kostenmässige belastung der öffentlichen fürsorge durch defektgeheilte paralytiker, untersucht an den in der heilund pflegeanstalt Branitz O/S behandelten fälle (Overcrowding of

and financial burden on public welfare institutions caused by partially cured paralysis as established by the records of the sanatorium Branitz, Upper Silesia). By O. Anders, 1940 $1.50

3939-3946 Untersuchungen über die beziehung zwischen aussen- und innenklima bei klimatischen mittelgebirgskuren (Investigations on the relation between the indoor and outdoor climate during climatic cures in mountains of medium height). By J.L. Banza, 1940 $1.50

3947-3958 Versuche über den histamingehalt des blutes bei infusion von adrenalin und histamin (überlegungen nach dem Le Chatelier'schen prinzip) (Experiments on the histamin content of the blood after infusion of adrenaline and histamine; reflections according to Le Chatelier's theory). By F. Barfuss, 1940 $1.50

3959-3975 Vergleichende beobachtungen über pertubation und salpingographie (Comparative observations on pertubation and salpingography). By H. Beck, 1940 2.00

3976-3995 Der einfluss des voralpinen klimas auf den blutdruck und haemopoese bei hypertonikern (eine originalanalyse der Tölzer quellen) (Influence of the climate of the "Voralpen" on blood pressure and hemopoiesis of patients suffering from hypertension (Including an original analysis of the springs of of Bad Tölz). By R. Berahn, 1940 2.00

3996-4008 Über den einfluss systematischen trainings auf die physiologie des haltens (The influence of systematic training on the physiology of holding (the static energy required for keeping a part of the body in a given position)). By H. Bernhardt, 1940 $1.50

4009-4023 Rassenkunde des kreises Schweidnitz (Ethnology of the district of Schweidnitz). By J. Beyer, 1940 $1.50

4024-4040 Statistik über die todesursachen der jüdischen bevölkerung von Breslau in den jahren 1928-1937 (Statistics on the causes of death among the Jewish population of Breslau during the years 1928-1937). By E. Bieneck, 1939 $2.00

4041-4049 Die blutbildveränderungen gesunder kinder durch die keuchjustenvaccination, zugleich ein beitrag zur antikörperbildung (Changes in the blood picture of normal children following whooping cough vaccination: a contribution to the problem of the formation of antibodies). By L. Bochenek, 1940 $1.50

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4062-4074 Beziehungen zwischen der funktion der schilddrüse und bronchialasthma (Relations between the function of the thyroid and bronchial asthma). By W. Busch, 1939 $1.50

4075-4105 Klinische erfahrungen mit der operativen behandlung intrathorakaler strumen (Clinical experiences with the surgical treatment of intrathoracic goiters). By U. Ciossek, 1940 $3.50

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4131-4161 Die lebensprognose der pemphiguskranken, insbesondere unter germaninbehandlung (Prognosis quoad vitem of pemphigus patients, particularly when they are treated with germanin). By H. Dietrich, 1940 $3.50

4162-4168 Der einfluss des natürlichen schwefelwassers auf die hautkapillaren des menschen (Influence of natural "sulfur water" on the capillaries of the skin in man). By O. Döring, 1940 $1.50

4169-4183 Das verhalten der QRS-zeit und der "anstiegzeit" im ekg. bei kindern nach körperlicher anstrengung im vergleich zu anderen kriterien der kreislauffunktionsprüfungen (Behavior of the QRS-period and the "rising period" in the electrocardiogram of children after physical strain, compared with other criteria of circulatory function tests). By H. Domogalla, 1940 1.50

4184-4199 Spätresultate nach cholecystitis, cholelithiasis, cholangitis and ikterus catarrhalis (Sequelae of cholecystitis, cholelithiasis, cholangitis and catarrhal jaundice). By H.-G. Ehrlich, 1940 2.00

4200-4213 Infektionsquellenforschung bei lues in Schlesien (Search for the sources of syphilitic infection in Silesia). By H. Ernst, 1940 1.50

4214-4223 Beitrag zur frage der hormonalen genese und therapie der prostatahypertrophie (Contribution to the problem of the hormonal genesis and treatment of prostatic hypertrophy). By H. Fiebach, 1940 $1.50

4224-4236 Versuche über die wirkung peroraler gaben von coffein und von chlorogensaurem kali-coffein auf mineralausscheidung und harnmenge (Experiments on the effect of oral doses of caffeine and of potassium caffeine-chlorogenate on the elimination of minerals and on the quantity of the urine). By K. Flohr, 1940 $1.50

4237-4250 Untersuchungen über die möglichkeit der beurteilung der grösse des pulpenkavums nach dem röntgenbild (Investigations on the possibility of judging the extent of the pulp cavity by x-ray pictures). By G. Frenzel, 1940 $1.50

4251-4261 Über die beeinflussung des mineralstoffwechsels des menschen durch trinkkuren mit Henkenhagener ostseewasser (Influencing the mineral metabolism of man by drinking cures with Henkenhagen water from the Baltic Sea). By K. Füssel, 1939 $1.50

4262-4271 Beitrag zur säuglings- und neugeborenendiphtherie (Contribution to the knowledge of the diphtheria of infants and the new-born). By P. Gebhart, 1940 1.50

4272-4285 Die zuverlässigkeit des röntgenbildes bei der deutung pathologischer vorgänge am menschlichen interdentalen septum (The reliability of the x-ray picture for

interpretation of pathologic processes at the level of the interdental septum in man). By W. Geeck, 1940 $1.50

4286-4310 Über nierengeschwülste bei kindern an hand des krankengutes der chirurgischen universitätsklinik Breslau (Renal tumors in children, discussed on the basis of cases of the surgical department of the Breslau university hospital).
By H. Gersch, 1940 2.50

4311-4322 Ursachen, epidemiologisches und saisonmassiges auftreten der balanitis simples, der balanitis erosiva circinata und des ulcus gangraenosum (Causes, and epidemiologic and seasonal occurrence of balanitis simples, balanitis erosiva circinata, and ulcus gangrenosum).
By K. Givert, 1940 $1.50

4323-4338 Statistische untersuchungen über den einfluss des klimas, alters und berufs auf das ekzem und das seborrhoische ekzem (Statistical studies regarding the influence of climate, age and occupation on eczema and seborrhoic eczema).
By A. Görlich, 1940 2.00

4339-4349 Vitamin B_1 und milzgewicht (Vitamin B_1 and weight of spleen).
By H. Goldammer, 1939 $1.50

4350-4366 Aseptische nekrosen im wachstumsalter (Aseptic necroses during the period of growth). By H. Gottwald, 1940 2.00

4367-4382 Über den einfluss des vitaminmangels auf das histologische bild bei ratten- und meerschweinchenzähnen (Influence of vitamin deficiency on the histologic appearance of the teeth of rats and guinea-pigs). By O. Grabowski, 1940 2.00

4383-4397 Das kantharidenreizexsudat bei carcinom (The excretion obtained by cantharidal irritation of the skin in cancer patients). By H. Gramann, 1940 $1.50

4398-4413 Zur epidemiologie der E-ruhr (typ Kruse-Sonne) (Epidemiology of E-dysentery (Kruse-Sonne)). By K. Groeger, 1939 2.00

4414-4432 Die tuberkulose der vulva (Tuberculosis of the vulva). By H. Grüssner, 1940 2.00

4433-4455 Die essentielle hypochrome anämie (achylische chloranämie) in ihrer bedeutung für den zahnarzt (The dental implications of essential hypochromic anemia (achylic "chloranemia")).
By W. Grützner, 1940 2.50

4456-4464 Einfluss von schwangerschaft und geburt auf die zirkulierende blutmenge (Influence of pregnancy and birth on the volume of circulating blood). By K. Haase, 1940 $1.50

4465-4476 Untersuchungen über die bedeutung des vitamin D, nebennierenrindenhormons und männlichen sexualhormons für die leistungsfähigkeit an hand von alkalireserveuntersuchungen (Investigations on the importance of vitamin D, the suprarenal cortex hormone and male sex hormone for physical fitness, based on studies of the alkali reserve).
By W. Haase, 1939 $1.50

4477-4487 Beobachtungen über die Sprengelsche deformität (Observations concerning Sprengel's deformity).
By G. Hahn, 1940 $1.50

4488-4516 Die akute aleukämische lymphadenose in ihrer bedeutung für den zahnarzt (Acute aleukemic lymphadenosis and its significance for the dentist).
By H. Hammer, 1939 3.00

4517-4527 Grösse und gewicht Breslauer kinder der jahre 1937-38 (ein vergleich mit den Pirquet'schen werten des jahres 1913) (Height and weight of Breslau children during the years 1937-1938: a comparison with Pirquet's findings for 1913).
By G.W. Hardtke, 1940 1.50

4528-4533 Das elektrodiagramm im bad. Das verhalten der relativen systoledauer in differenten und indifferenten kohlensäurebädern (ausgeführt mit mitteln der William G. Kerkhoffstiftung) (Experiments concerning electrodiagrams during a bath: behavior of the relative duration of the systole in different and indifferent carbon dioxide baths; carried out with funds of the William G. Kerkhoff foundation).
By W. Hauke, 1939 1.50

PB M 73394. ERLANGEN, GERMANY, UNIVERSITY. Doctors' theses on medical subjects. (FIAT Microfilm Reel D 168, Frames 7166-8232). 1939-1942. 1066 f. Price: Microfilm-$6.00 - Enlargement print-$107.00
This FIAT microfilm reel consists of 59 items in the field of medicine. The material was obviously seized in the library of the above university. Individual items are listed below and will be available as enlargement prints only; the entire reel may be purchased in microfilm form for $6.00. Please include PB and frame numbers when ordering individual items from this microfilm reel. In German.

Frames	Title	Price
7166-7179	Zur frage der doppeltumoren im schlundbereich und oesophagus (Concerning the problem of double tumors at the level of pharynx and oesophagus). By K. P. Schwirkmann, 1941.	$1.50
7180-7191	Beitrag zur geschichte der sozialhygiene der hansestadt Köln (Contribution to the history of social hygiene of the City of Cologne). By H. Seibert, 1940.	1.50
7192-7210	Fürsorge für hoffende mütter des gesundheitsamtes der hansestadt Köln. Ihre massnahmen und erfolge mit besonderer berücksichtigung der ortlichen erholung (Care of expectant mother, measures taken and successes achieved, (especially with regard to local recovery) by the Board of Health of the City of Cologne). By H. Weis, 1941.	2.00
7211-7224	Experimentelle untersuchungen über die bedeutung von pilzextrakten, staphylokokken- und streptokokkenvaksinen für die erkennung eines krankheitsbildes (Experimental investigations concerning the importance of fungous extracts, staphylococcal and streptococcal vaccines for the diagnosis of diseases). By H. Wiesen, 1940.	1.50
7225-7236	Über die stilldauer and stillhäufigkeit von 800 müttern aus den mütterberatungen der hansestadt Köln (Length of time and frequency of breast-feeding among 800 mothers under postnatal care of the City Cologne). By G. Winterscheidt. n.d.	1.50
7237-7260	Die uterusmissbildungen unter berücksichtigung der hypoplasie und des infantilismus genitalis im krankengut der universitätsfrauenklinik Koenigsberg/Pr. aus den jahren 1927-1937 (Deformities of the uterus,	

particularly in regard to genital hypoplasia and infantilism treated at the university hospital for women at Koenigsberg/Pr. during the years 1927-1937). By A. Busch, 1941. 2.50

7261-7271 Der einfluss einiger narkotica auf den blind- und wirkwiderstand der froschhaut und auf ihre permeabilitaet für elektrolyte (Influence of some narcotics on the reactance and effective resistance of the frog's skin as well as on permeability for electrolytes). By H. Gerstner. 1942. 1.50

7272-7311 Untersuchungen zum diphtheriebazillenträgerproblem (Investigations on the problem of diphtheria bacillus carriers). By H. Hertel, 1942. 4.00

7312-7343 Zur genealogie und klinik des turmschaedels (Regarding the genealogy and clinical concerns of "turmschaedel" (turrecephaly)). By H. Jensch, 1941. 2.50

7344-7357 Behandlungs- und ausführungsplan der transanalen elektrokaustik von mastdarmkrebsen (Method of treatment and technique of transanal electrocautery of rectal cancers). By U. Kallius, 1941. 1.50

7358-7395 Peptisches geschwür und tuberkulose (Peptic ulcer and tuberculosis). By E. M. Mueller, 1941. 4.00

7396-7449 Grundlagen altindischer medicin (Principles of Old Indian medicine). By R. E. G. Mueller, 1942. 5.50

7450-7486 Untersuchungen zur pathogenese von aufbrauchveränderungen an den knorpeligen anteilen des kniegelenks (Investigations concerning the pathogenesis of the changes due to wear and tear in the cartilaginous parts of the knee joint). By G. Schallok. n.d. 4.00

7487-7515 Die bedeutung der polarographie für die gerichtliche medizin und kriminalistik (Importance of polarography for forensic medicine and criminology). By E. Weinig, 1941. 3.00

7516-7538 Der heilverlauf gelenknaher frakturen im kindesalter (Healing process of fractures near the joint in childhood). By K. Aebert, 1942. 2.50

7539-7565 Die Leipziger unehelich-geborenen des jahrganges 1939 in der statistik (Statistics of illegitimate births at Leipzig for the year of 1939). By F.-J. Balve, 1942. 3.00

7566-7573 Über dentogene nasennebenhöhlenerkrankungen (Concerning dentogenic diseases of the nasal sinuses). By K. Barth, 1941. 1.50

7574-7583 Nachreifung bei angeborenem schwachsinn (Later maturing in congenital feeblemindedness). By W. Bassek, 1942. 1.50

7584-7597 Schwankungen der menschlichen schwangerschaftsdauer (Fluctuations of the duration of human pregnancy). By A. Beckstein, 1939. 1.50

7598-7608 Ueber die tödliche katatonie und ihre beziehungen zu den jahreszeiten (Concerning fatal catatony and its relations to the seasons). By L. Berger. n. d. 1.50

7609-7617 Beitrag zur frage, ob mit der allgemein festgestellten acceleration der entwicklung des kindes auch die zahnentwicklung schritt hält (Contribution to the question as to whether the development of the teeth keeps pace with the nowadays established acceleration in the development of the child). By I. Bayer, 1942. 1.50

7618-7631 Formen der lymphadenitis colli tuberculosa und ihre behandlung (Types of tubercular lymphadenitis colli and their treatment). By H.-C. Bier, 1942. 1.50

7632-7644 Kann man durch gabe von vitamin E die hormonale schwangerschaftsreaktion beschleunigen? (Can the hormonal pregnancy reaction be hastened by administration of vitamin E?). By W. Birmele. 1942. 1.50

7645-7656 Die normalen und pathologischen alteränderungen im röntgenbild des menschlichen beckens und der unteren extremität und ihre differentialdiagnose (Normal and pathological roentgenologic changes due to advanced age of the human pelvis and the lower limbs, and their differential diagnosis). By H. Bluethgen, 1942. 1.50

7657-7670 Ueber wiederholte thalliumvergiftungen (Repeated poisonings with thallium). By D. Bochme, 1941. 1.50

7671-7690 Beobachtungen an 132 fällen von otogener sinusthrombose (Observations made in 132 cases of otogenous sinus thrombosis). By H. Born, 1941. 2.00

7691-7709 Die klinische und technische bewertung des kronen- und brückenwerkstoffes "Palapont" auf grund eigener experimenteller untersuchungen und praktischer erfahrungen (Clinical and technical evaluation of "Palapont", a material used for dental crowns and bridges, based on own experimental examinations and practical experience). By S. Bosukoff, 1942. 2.00

7710-7725 Das streichholz und seine bedeutung für die gerichtliche medizin und kriminalistik (The match and its importance for forensic medicine and criminology). By W. Bretschneider. n.d. 2.00

7726-7740 Nachuntersuchungen an 53 fällen von extrauteringravidität an der chirurgischen universität Leipzig (Reexaminations in 53 cases of extrauterine pregnancy at the surgical division of the Leipzig university hospital). By E. Buettner, 1941. 1.50

7741-7752 Über den einfluss des kalkgehaltes der nahrung auf die ausscheidung subcutan injizierten strontiums (The effect of the lime content of food on the excretion of strontium injected subcutaneously). By C. Claussnitzer, 1942. 1.50

7753-7767 Über die angioarchitektur des nucleus hypothalamicus (The architecture of blood vessels of the nucleus hypothalamicus). By R. Denkhaus, 1942. 1.50

7768-7777 Verlauf und schicksal der lungeninfarkte (Abhängigkeit von alter. 200 fälle) (Course and outcome of pulmonary infarcts: their dependence on age; 200 cases). By H. Sietel. n. d. 1.50

7778-7785 Der einfluss der tonsillektomie auf die prognose rheumatischer herzkrankheiten im kindesalter (Influence of tonsillectomy on the prognosis of rheumatic heart diseases in childhood). By G. Dollinger, n. d. 1.50

7786-7805 Art, verlauf, behandlung und spätfolgen schwerer phosphorund carbidvergiftungen (Nature, course, treatment and sequelae of serious burns caused by phosphorus and carbide). By J. P. Dosch, 1942. 2.00

7806-7819 Hormonalle oder chirurgische behandlung des kryptorchismus? Ein vergleich der ergebnisse der hormonbehandlung mit den operativen erfolgen der chirurgischen universitätsklinik Leipzig (Hormonal or surgical treatment of cryptorchism? Comparison of the results of hormonal treatment with the surgical results achieved by the surgical division of the university hospital at Leipzig). By G. Drangenberg, 1941. 1.50

7820-7840 Vergleichende untersuchungen über veränderungen der blutkörperchensenkungsgeschwindigkeit, der Costa'schen novokainreaktion und des Weltmann'schen koagulationsbandes bei verschiedenen krankhaften abläufen (Comparative examinations concerning changes in the red cell sedimentation rate, in Costa's novocaine reaction and in Weltmann's coagulation band, observed in different courses of diseases). By H. Engel. n. d. 2.50

7841-7858 Selbstmordversuche bei jugendlichen (Suidical attempts by persons of youthful age). By H. Engel, 1942. 2.00

7859-7876 Beeinflussen diagnostische röntgendosen die callusbildung bei frakturen? (Do diagnostic x-ray doses influence the callus formation in fractures?). By J. Fischer, 1941. 2.00

7877-7888 Veränderung des typenindex bei belastungselektrocardiogrammes (Changes in the type index of "belastungselektrocardiogrammen"). By U. Foerster. n. d. 1.50

7889-7907 Über geburten nach beckenfrakturen (Childbirth after pelvic fractures). By W. Frohberg, 1942. 2.00

7908-7919 Eosinophilie bei lungenschüssen und brustkorbquet mit lungenbeteiligung (Eosinophilia in shot injuries of the lungs, and in crushing injuries of the thorax with involvement of the lungs). By O. Gedscheld. n.d. 1.50

7920-7941 Die dauerergebnisse bei axillarisparese (Lasting results of the treatment of axillaris paralysis). By H. Gerlach.n.d. 2.50

7942-7952 Eine neue mikromethode des bleibestimmung in gallenstein (New micromethod for determining lead in gall stones). By W. Haeussler, 1942. 1.50

7953-7989 Beobachtungen über die ursachen der ehelichen unfruchtbarkeit (unter besonderer berücksichtigung der weiblichen sterilität) (Observations regarding the causes of matrimonial sterility: with special consideration of female sterility). By H. Haferland, 1942. 4.00

7990-8003 Experimentelle untersuchung und klinische erprobung des kombinationsanalgetikum Veramon-B (Experimental research on and clinical testing of Veramon-B, a combined analgesic). By W. Hartmann, 1941. 1.50

8004-8014 Die erfolge der chinin- und serumtherapie bei lobarpheumonie (Successful quinine and serum therapy in lobar pneumonia). By W. Heinrichs, 1942. 1.50

8015-8027 Katamnestische erhebungen bei 17 rückenmarkstumoren der Leipziger universitäts-nervenklinik aus den jahren 1929-1941 (Catamnestic review of 17 spinal cord tumors, derived from the neurologic division of the Leipzig university hospital, covering the period of 1929-1941). By R. Helios. n.d. 1.50

8028-8044 Über das wachstum des adenoms der schilddrüse (Growth of the adenoma of the thyroid gland). By W. Hersig, 1942. 2.00

8045-8078 Die behandlung und die prognose der venenerkrankungen der unteren gliedmassen anhand des neueren schrifttums und nach dem material der chirurgischen universitätsklinik in Leipzig in den jahren 1937-1940 und die theorie der normalen und pathologischen venendurchstromung (Treatment and prognosis of diseases of the veins of the lower limbs, according to recent literature and to cases of the surgical division of the Leipzig university hospital (1937-1940), and the theory of normal and pathologic venous circulation). By G. Hildebrandt, 1942. 3.50

8079-8089 Multiple sklerose bei mutter und tochter (Multiple sclerosis in mother and daughter). By F. Hilling, 1942. 1.50

8090-8100 Beitrag zur frage der pathogenese und therapie der primar chronischen gelenkerkrankungen im kindesalter (Contribution to the pathogenesis and treatment of primary chronic diseases of the joints in childhood). By G. Holzmueller, 1942. 1.50

8101-8122 Durch schuss und stumpfe gewalt zertrümmerte glastafeln und ihre differenzial-diagnostischen merkmale (Glass plates smashed by gun shots and blunt bodies, and their differential diagnostic characteristics). By K. Huettner, 1942. 2.50

8123-8135 Krankheitsdauer, allgemeine symptomatologie und therapeutische beeinflussbarkeit des malignen granulems in den verschiedenen altersstufen (186 fälle) (Duration of illness and general symptoms of, and therapeutic results in malignant granuloma, observed in different periods of life). By G. Kaestli. n.d. 1.50

8136-8153 Das klinische bild und die therapeutische beeinflussbarkeit der biliären pneumonie (Clinical aspect of and therapeutic results in biliary pneumonia). By H. Kagelmann, 1942. 2.00

8154-8165 Das verhalten der leukozyten im ansteigenden vollbade (Behavior of leucocytes during a bath with rising temperature). By G. Keller, 1942. 1.50

8166-8182 Experimentelle untersuchungen über die einlargerung enteral und parenteral gegebenen strontiums im knochen des meerschweinchens bei verschiedenem kalkgehalt der nahrung (Experimental research concerning the deposit of strontium (administered enterally and parenterally) in the bones of guinea-pigs, when diets of varying lime content are given). By H. H. Kirchberg, 1942. 2.00

8183-8219 Das bakterium typhi flavum. Eine variante des typischen typhusbazillus (Bacterium typhi flavum: a variant of the typhoid bacillus proper). By H. D. Kloeppel, 1942. 4.00

8220-8225 Kommt die chronische entzündete kieferhöhle als fokus in betracht? (May a chronically infected maxillary sinus be regarded as a focus?). By H. Klunker, 1942. 1.50

8226-8232 (reel D 168) 8232-8254 (reel D 169) Die altersverteilung der lipoidosen (Age distribution of lipoidoses). By G. G. Koehler, 1941. 1.50

FB N 73881. ERLANGEN, GERMANY. UNIVERSITY. Doctors' theses on medical subjects. (FIAT Microfilm Reel I 218, Frames 2817-3706). 1937-1939. 690 f. Price: Microfilm-$6.00 - Enlargement Print-$89.00

This FIAT microfilm reel consists of items in the field of medicine. The material was obviously seized in the library of the above university. Individual items are listed below and will be available as enlargement prints only; the entire reel may be purchased in microfilm form for $6.00. Please include FB and frame numbers when ordering individual items from this microfilm reel. In German.

Frames	Title	Price
2817-2842	Die schriftbeseitigung und ihr nachweis (Removal of writing and its detection). By G. Ahrens, 1939.	3.00
2843-2861	Die beziehungen der blutmauserung zum serumeisengehalt und zur morphologie der erythrozyten (Relations of the "blood molting" to the iron content of the serum and to the morphology of the erythrocytes). By A. Anton, 1939.	2.00
2862-2871	Zur feststellung des trippers bei der frau durch sekretentnahme während bzw. nach der periode (Detection of gonorrhea in females by sampling of secretion during or after menstruation). By G.A. Bauch, 1939.	1.50
2872-2917	Frames are missing.	
2918-2930	Untersuchungen über den mineralstoffwechsel des menschen. Die wirkung von natriumchlorid, magnesiumsulfat, kaliumsulfat und natriumsulfat auf den säure-basenhaushalt (Study of the mineral metabolism in man: effect of sodium chloride, magnesium sulfate, potassium sulfate and sodium sulfate on the acid-base metabolism). By G. Blaukhage, 1939.	1.50
2931-2939	Über den eisengehalt im liquor cerebrospinalis (The iron content of the spinal fluid). By G. Beck, 1939.	1.50
2940-2946	Kann die wirkung des thyreotropen hormons der hypophyse hormonal, vitaminotisch oder pharmakologisch gebremst werden? (Can the effect of the thyrotropic hormone of the pituitary gland be checked by hormones, vitamins or drugs)? By J. Beck, 1939.	1.50
2947-2956	Über die biologische wertigkeit des nahrungseiweisses beim menschen. Die wirkung von milch, milch+ l-cystin and milch + d,l-methionin (The biologic value of food protein in man: the effect of milk, milk plus l-cystine and milk plus d, l-methionine). By H. Beier, 1939.	1.50
2957-2968	Untersuchungen über die lumineszenzwerte des frauenmilchserums mit dem Pulfrichlumineszenzphotometer (Study of the luminescence values of human milk-serum by means of Pulfrich's luminescence photometer). By H.G. Beyer, 1939.	1.50
2969-3049	Gibt es eine erblichkeit der geschmackleistungen (Is the efficiency of the taste sense hereditary)? By W. Bielig, 1939.	8.50
3050-3065	Statistische untersuchungen über die geburten nach dem alter und familienstand der mutter mit besonderer berücksichtigung der ledigen nach dem 40. lebensjahre (Statistical investigations on childbirths according to age and marital status of the mother, with special regard to unmarried mothers above 40 years of age). By S. Böringen, 1938.	2.00
3066-3090	Über die beeinflussung des geschmacksfeldes auf der zunge durch anaesthetica. IV (Influencing the area of the taste of the tongue by anesthetics. IV) By E. Doltz, 1939.	3.50
3091-3104	Über den mineralstoffwechsel des menschen. Die wirkung der zufuhr von kohlrabi, schnittbohnen, sellerie und grünkohl auf den säurebasen-haushalt (On the mineral metabolism of man: effect of kohlrabi, French beans, celery, and kale on the acid-base-metabolism). By E. Bräuer, 1939.	1.50
3105-3112	Dumarcon als basisnarkotikum (Dumarcon as basal anesthetic). By H. Breustedt, 1939.	1.50
3113-3123	Über katamnesen an 200 M.S. -kranken (Catamneses of 200 patients afflicted with multiple sclerosis). By F. Brieger, 1938.	1.50
3124-3131	Dauererfolge der kollapsbehandlung der lungentuberkulose (Lasting results of the collapse therapy of pulmonary tuberculosis). By G. Bucholdt, 1938.	1.50
3132-3142	Die bewegung der lungentuberkulose in Jena in den jahren 1930-34 (The trend of pulmonary tuberculosis in the years of 1930-34). By Chang We-Hyuin. n.d.	1.50
3143-3161	Spätergebnisse nach chirurgischer behandlung des durchgebrochenen magen- und zwölffingerdarmgeschwürs (Late results after surgical	

treatment of perforated gastric and duodenal ulcers). By C.H. Conrad, 1938. 2.00

3163-3172 Über die blutdrucksenkende wirkung von cholinkörpern und histamin (stufentonosphygmographische beobachtung am menschen) (The blood pressure lowering effect of choline compounds and histamine: step tonosphygmographic observations in man). By H. Deuter, 1939. 1.50

3173-3186 Über die geschmackswirkung einiger anorganischer karbonat- und fluoridverbindungen (Effects on the taste of some inorganic carbonate and fluoride compounds). By H. Dencks, 1938. 1.50

3187-3199 Über häufigkeit und ursache der toxischen wirkung mancher urine bei der Aschheim-Zondek-reaktion (Frequency and cause of the toxic effect of some samples of urine in Aschheim-Zondek's test). By W. Drierich, 1938. 1.50
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3200-3261 Über spektrographische untersuchungen der haut und des knochens des menschen bei besonderer berücksichtigung des bleivorkommens unter verwendung des hochfrequenzfunkens (Spectrographic examinations of human skin and bones with special consideration to the detection of lead by means of the high frequency spark). By W. Dietz, 1939. 6.50

3262-3282 Die fortentwicklung von 100 lebend aus der klinik entlassenen frühgeburten bei vorwiegender beachtung ihrer geistigen fähigkeiten (The development of 100 prematures discharged from the hospital, with special regard to their mental abilities). By M. Doellert, 1939. 2.50

3283-3299 Über den mineralstoffwechsel des menschen (The mineral metabolism of man). By H. Dorfner, 1938. 2.00

3300-3308 Der ausgang des kaiserschnittwochenbette bei infektion (Outcome of the puerperium after cesarian section in cases of infection). By G. Eberling, 1937. 1.50

3309-3319 Über die geschmackswirkung einiger anorganischer schwefel- und stickstoffverbindungen (Taste effects produced by some inorganic sulfur and nitrogen compounds). By F. Eckardt, 1938. 1.50

3320-3332 Über wiederholten kaiserschnitt (Repeated cesarian section). By H. Fischer, 1938. 1.50

3333-3349 Über die funktion der tonsillen (nach histologischem studium ihres sekrets) (The function of the tonsils: according to histological studies of their secretion). By H. Fischer, 1938. 2.00

3350-3371 Vergleichende photometrische untersuchungen über farbstoffzusammensetzung des gesunden und pathologischen harns mit und ohne farbstoffanreicherung durch amylalkohol- und chloroformextraktion; mit 13 tabellen und 15 kurvendarstellungen (Comparative photometric investigations on the pigment composition of the urine under normal and pathologic conditions, with and without the use of pigment concentration by extraction with amyl alcohol and chloroform: including 13 tables and 15 graphs). By A. Fomina. 2.50

3372-3386 Über die beziehung von grundumsatz, oberfläche und endogenem harn-N bei ratten unter berücksichtigung des säure-basen-gehaltes der nahrung (Relations between basal metabolism, surface, and endogenous urinary nitrogen in rats, with special regard to the acid-base content of the food). By E. Fricke. n.d. 1.50

3387-3401 Über die häufigkeit der bei der syphilisbehandlung auftretenden nebenerscheinungen (beobachtungen an über 7000 kranken) (The frequency of by-symptoms occurring in the treatment of syphilis: observations in more than 7000 patients). By H.F. Sonderhausen. n.d. 1.50

3402-3419 Die fällungsreaktion zwischen chinolin und phenolsubstitutionsprodukten (The precipitation reaction between quinoline and phenol substitution products). By E. Friedrich, 1938. 2.00

3420-3428 Ergebnisse des stoffwechsels im harn bei verschiedenen kostformen (untersucht nach den untersuchungsmethoden von Ragnar Berg) (Final products of metabolism in the urine, with different kinds of diet: examined by Ragnar Berg's methods). By E. Gamber, 1938. 1.50

3429-3441 Die stufenphotometrische bestimmung der xanthoproteinreaktion in blut und ihre klinische bedeutung unter besonderer berücksichtigung der arthritiden (The determination of the xanthoprotein reaction in the blood performed by means of step photometry and its clinical significance, with special regard to the various forms of arthritis). By M. Gossler, 1938. 1.50

3442-3488 Fürsorgerische beobachtungen über die anfänge der lungentuberkulose des erwachsenen (Observations at public care institutions on the beginning of pulmonary tuberculosis in adults). By K.H. Grenzer, 1938. 5.00

3489-3515 Die bakteriologie der erkrankungen des streptomykotisch-rheumatischen formenkreises (Bacteriology of the group of diseases showing symptoms of both streptomycosis and rheumatism). By A.-K. Hau 3.00

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3543-3558 Über den mineralstoffwechsel des menschen. Einfluss von organischen säuren auf den säure-basen-haushalt (Mineral metabolism in man: influence of organic acids on the acid-base metabolism). By H.-G. Henkel, 1938. 2.00

3559-3569 Über die wiederverwendbarkeit der weissen edelmetallegierungen (in der zahnärztlichen praxis) (Possibility of the re-use of white alloys of noble metals in dental practice). By M. Hennig, 1939. 1.50

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3671-3689 Die rekonstruktion des unfallhergangs aus dem chirurgischen befund (Reconstruction of the course of the accident from the surgical findings). By E. Hysemann, 1939. 2.00

3690-3706 Hygienisch-medizinischer querschnitt durch den ort Lobeda in landkreis Stadtroda in Thüringen (Hygienic medical cross-section through the community of Lobeda in the rural district of Stadtroda, Thuringia). By B. Karp, 1939. 2.00

FB N 73335. ERLANGEN, GERMANY. UNIVERSITY. Doctors' theses on medical and dental subjects. (FIAT Microfilm Rel N 53, Frames 2670-3733) 1929-1939. 1063 f.
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Frames	Title	Price
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2684-2694	Über die einwanderung basophiler zellen in den hypophysenhinterlappen bei aorteninsuffizienz. Mit 17 abbildungen in text (Immigration of basophilic cells into the posterior lobe of the pituitary gland in aortic insufficiency: including 17 illustrations). By H. Koch, 1938.	1.50
2695-2714	Untersuchungen über die wirkung von veritol auf blutdruck und pulszahl bei gesunden und bei chirurgisch erkrankten (Studies on the effect of veritol on blood pressure and pulse rate of healthy individuals and those afflicted with surgical diseases). By H.-J. Köhler, 1939.	2.00
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2740-2757	Schilddrüsentätigkeit und osteochondritis dissecans (Thyroid gland function and osteochondritis dissecans). By A. Kolb, 1937.	2.00
2758-2776	Die tonisierende behandlung des asthma bronchiale und verwandter vegetativnervöser störungen mit kleinen golddosen (Tonic treatment of bronchial asthma and allied disorders of the sympathetic nervous system with the aid of small dosages of gold). By K. R. Kortländer.	2.00
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2808-2815	Einwirkung der thyreoidektomie auf das körperfett der ratte (Effect of thyroidectomy on the body fat of rats). By K. W. Kranz, 1939.	1.50

2816-2838 Beitrag zur kontrastdarstellung peripherer arterien (Contribution to the contrast röntgenography of peripheral arteries). By F. Kretzberg, 1938. 2.50

2839-2862 Die behandlung der calcaneusfrakturen und ihrer erfolge sowie nachuntersuchungen von 21 im Böhler'schen schraubziehapparat reponierten fersenbeinbrüchen (Treatment of fractures of the calcaneus and its results, and re-examinations of 21 fractures of the calcaneus set by means of Böhler's screw traction apparatus). By F. Krohn, 1939. 2.50

2863-2876 Über die bestimmung der herzspitze bei formveränderten herzen im röntgenbild (Determination of the apex of hearts changed in form, by x-ray photography). By A. Kühn, 1939. 1.50

2877-2897 Der diagnostische wert der diaphanoskopie im vergleich zur röntgenaufnahme bei kieferhöhlenerkrankungen (Diagnostic value of diaphanoscopy in comparison to x-ray photography in diseases of the maxillary sinus). By H. Kuhn, 1939. 2.50

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2917-2922 Die morphologischen frühveränderungen an der schilddrüse nach einer einmaligen injektion von thyreotropem hormon (Early morphologic changes of the thyroid gland after a single injection of thyrotropic hormone). By H. J. Kummer, 1938. 1.50

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3028-3035 Die wirkung von thyroxin, dijodthyronin und dijodtyrosin auf die struktur des hypophysenvorderlappens (Effect of thyroxine, "dijodothyronin" and dijodotyrosine on the structure of the anterior lobe of the pituitary gland). By E. G. Langlet, 1939. 1.50

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3110-3129 Über kollapsbehandlung der lungentuberkulose unter besonderer berucksichtigung der plombierung mit "Polyviol" (Collapse treatment in pulmonary tuberculosis, with special regard to the plugging with "Polyviol"). By A. Lietzke, 1939. 2.00

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3196-3206 Über die häufigkeit der rachitis in der stadt Freiburg und den umgebenden landbezirken im winter 1936/37 (The frequency of rickets in the city of Freiburg and the environmental districts during the winter of 1936-1937). By H. Louis, 1939. 1.50

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3428-3441 Venendruckmessungen bei kombinierten mitralfehlern mit vorwiegender stenose, unter besonderer berücksichtigung des einflusses der wasserhöhe im CO_2-solbad (Measurements of venous pressure in patients with combined failure of the mitral valve (with preponderance of the stenosis), paying particular attention to the influence of the water level of the carbon dioxide-saline bath). By E. Meyer, 1939. 1.50

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7054-62 Untersuchungen über die ablagerung von arsen im knochengewebe (Investigations on the deposition of arsenic in bone tissue). By L. Viermetz. 1.50

7063-84 Zur problematik des einstückgussprothese (The problem of artificial teeth manufactured in one piece). By F. Wahliss, 1940. 2.50

7085-94 Vergleichende untersuchungen über den elektrokardiogramm-typenindex von Benedetti und den von Schlomka (Comparing investigations on the type index of electrocardiograms according to Benetti and according to Schlomka). By F. Weinbrenner, 1940. 1.50

7095-7106 Bericht über die ergebnisse der behandlung des perforierten mangen-zwölffingerdarmgeschwürs in den jahren 1926-1939 (Report on the results of the treatment of perforated gastro-duodenal ulcers during the years 1926-1939). By P. Weisser, 1940. 1.50

7107-13 Untersuchungen über das negative T_3 im rechtstypischen Ekg. (Studies on the negative T_3 wave in right-sided electrocardiograms). By A. Wengeler. 1.50

7114-23 Das schicksal der schenkelkopfdeformitäten (Fate of the deformities of the head of the femur). By J. Werner, 1940. 1.50

7124-51 Beitrag zum problem der pyknolepsie (Contribution to the problem of pyknolepsia). By E. J. Wahlauf, 1940. 3.00

7152-64 Über die ursachen des ulcus duodeni et ventriculi (Causes of gastric and duodenal ulcers). By H. Wolf, 1940. 1.50

7165-78 Dysmenorrhoe bei tabakarbeiterinnen (Dysmenorrhea in femal tobacco workers). By J. Wunsche. 1.50

7179-87 Zur frage der schwangerschaftspsychosen (The problem of the psychoses of pregnancy). By K. Wurzbach. 1.50

7188-95 Die endergebnisse der ublutig eingerenkten angeborenen hüftgelenksluxation (Final results of the non-surgical reposition of congenital dislocations of the hip joint). By W. Zill, 1940. 1.50

7196-7202 Die beziehungen des nikotins zum weiblichen geschlechtsapparat, zur frucht und zus säugling (Relations between nicotine on the one hand, and the female sex organs, the fetus and the infant on the other hand). By O. Jacob, 1940. 1.50

7214-30 Die hygiene in den zeltlagern der Hitler-jugend. Untersuchungen und erfahrungen in den zeltlagern der Danziger Hitler-jugend (Hygienic conditions in the tent camps of the "Hitler youth": investigations into and experiences with the tent camps of the Danzig "Hitler youth"). By G. Jahnke, 1939. 1.50

7231-40 Die chirurgie und der vierjahresplan (Surgery and the "Four-Year-Plan"). By W. Jaster, 1939. 1.50

7241-50 Zur grage der kürzesten tragzeit bei reifem kind (The problem of the minimum duration of gestation required for the birth of a mature child). By G. Jung, 1940. 1.50

7251-75 Über das krankheitsbild der osteochondritis deformans juvenilis (The morbid picture of osteochondritis deformans juvenilis). By G. Koch, 1940. 2.50

7276-89 Die bedeutung der histologischen lungenprobe beim neugeborenen (Significance of the histologic lung test in the new-born). By H. Koch, 1940. 1.50

7290-98 Über die beeinflussung der blutbakterizidie durch natürlichen und künstlichen "Friedrich-Karl-sprudel" mit und ohne vitamin-C-$_2$ usatz im tierversuch (Animal experiments for the study of the effect of natural and artificial "Friedrich-Karl-sprudel", with and without the addition of vitamin C, on the bactericidal action of the blood). By E. A. König, 1939. 1.50

7299-7315 Verhütung und bekämpfung des zahnlückenschmerzes (Prevention of and relief from tooth-ache arising from interdental cavities). By C. Koopman, 1940. 2.00

7316-24 Ein fall von naevus pigmentosus der conjunctiva bulbi mit maligner entartung (A case of nevus pigmentosus of the bulbar conjuctiva with malignant degeneration). By B. Kraemer, 1940. 1.50

7325-36 Über die körpertemperatur bei narkose und operation (Body temperature during general anesthesia and operation). By H. Kuhl, 1934. 1.50

7337-47 Sympathikusreizversuche an den konstitutionen (Experiments with stimulation of the sympathicus in different constitutional types). By F. Kuras. 1.50

7348-69 Erfolgreiche behandlung der angina (Successful treatment of tonsillitis). By K. Lorenz, 1940. 2.50

7370-79 Die erfolge der malariabehandlung der progressiven paralyse an der landesheil anstalt in Marburg während der jahre 1923-1935 (The results of malaria therapy for general paresis performed at the "Landesheilanstalt" at Marburg during 1923-1935). By A Manderbach, 1940. 1.50

7380-95 Über die behandlung der senkniere (Treatment of the floating kidney). By U. Menzel, 1939. 1.50

7396-7410 Konservative oder radikale operation der uterusmyome (Conservative or radical operation for uterine myoma)? By B. Müllermeister, 1940. 1.50

7411-7422 Die bei der radikaloperation der apikalen parodentitis gebräuchlichen wurzelfüllungsmittel und ihre kritische bewertung (The material used for root fillings in radical operations for apical parodontitis, and their evaluation). By H. Müller, 1940. 1.50

7423-7430 Experimentelle untersuchungen am katzenblutdruck über die aktivität der histaminase und der cholinesterase beim allergiker (Experimental studies on the action of histaminase and choliesterase in allergic individuals carried out by measurements of the blood pressure of cats). By H. Müller, 1939. 1.50

7431-7440 Über mensurverletzungen der kiefer und zähne (Injuries to the jaws and teeth caused by duels). By H. V. Nolting, 1939. 1.50

7441-7454 Über einen fall von dyskeratosis follicularis vegetans (morbus Darier) (A case of dyskeratosis folliculatis vegetans /Darier's disease/). By G. Peters, 1940. 1.50

7455-7469 Über das krankheitsbild der epiphysiolysis capitis femoris (The morbid picture of epiphysiolysis of the head of the femur). By A. Rein, 1939. 1.50

7470-7471 Die geschichtliche entwicklung der prothetischen versorgung bei defekten des gaumens (Historical development of prosthetics for defects of the palate). By H. Reitz, 1940. 1.50

FB M 73336 FREIBURG, GERMANY. UNIVERSITY. Doctors' theses on various medical subjects. (FIAT Microfilm Reel M 59, Frames 8465-9524). 1940-1942. 1060 f. Price: Microfilm-$6.00 - Enlargement print-$106.00. This FIAT microfilm reel consists of items in the field of medicine. The material was obviously seized in the library of the above university. Individual items are listed below and will be available as enlargement prints only; the entire

reel may be purchased in microfilm form for $6.00. Please include P B and frame numbers when ordering individual items from this microfilm reel. In German.

Frames	Title	Price
8465-8506	Untersuchungen über ehe- und fruchtbarkeitsverhältnisse in einer bauern- und bürgersippe der Baar (Investigations on marriage and fertility conditions in a peasant- and townsfolk kin from the Baar). By J. Hässler, 1941	$10.50
8507-8516	Arbeitsschäden der frau durch fabrikarbeit. (Untersuchungen in tabakfabriken) (Noxious effects of factory work on women: based on investigations in tobacco plants). By C. Hennes, 1941	$1.50
8517-8525	Individuelle variation und entwicklung von körperregionen (Individual variation and development of certain regions of the body). By A. Holler, 1941	$1.50
8526-8547	Über phrenicusexhairese als selbstständigen eingriff bei lungentuberkulose (Phrenic nerve avulsion as independent intervention in pulmonary tuberculosis). By H.-H. Hopf, 1941	$2.50
8548-8563	Zur objektiven auswertung des elektroencephalogramms unter besonderer berücksichtigung der gleitenden koordination (Objective evaluation of electroencephalograms with special consideration of the "sliding" coordination). By H. Hugger, 1941	$2.00
8564-8572	Hypoxämische muskelfasernekrosen der darmwand bei angina abdominalis (Hypoxemic necroses of muscle fibers of the intestinal wall in abdominal angina). By O. Jantzen, 1941	$1.50
8573-8593	Die bombenverletzten vom 10. Mai 1940 in der chirurgischen universitätsklinik Freiburg im Breisgau (Bomb injured victims of the air raid of May 10, 1940 in the surgical ward of the Freiburg university hospital). By H. Jockers, 1941	$2.50
8594-8608	Knorpelplastik bei sattelnase unter besonderer berücksichtigung der Freiburger methode (Plastic surgery with cartilage for saddle noses with special consideration of the Freiburg technique). By A. Joos, 1941	$1.50
8609-8616	Beitrag zur zwillingspathologie der psoriasis (Contribution to the twin pathology of psoriasis). By B. von Kampen, 1941	$1.50
8617-8636	Über das provokationsverfahren bei gonorrhoe (The provocation method in gonorrhea). By J. Klaue, 1941	$2.00
8637-8645	Über proteusinfektionen bei akuten darm- und ernährungsstörungen der säuglinge (Proteus infections in acute intestinal and nutritional disorders in infants). By R. Konsek, 1941	$1.50
8646-8662	Versuche über die behandlung der paradentose mit mutafler (Experiments on the treatment of paradentosis with "Mutaflor"). By R. Krebs, 1941	$2.00
8663-8672	Elektrokardiographische untersuchung der kreislaufverhältnisse bei 10- bis 13- jährigen unter besonderer berücksichtigung des stufen-Valsalva (Electrocardiographic examinations of circulatory conditions in 10- to 13-year-olds with special consideration of Valsalva's graded test). By H. Kühn, 1940	$1.50
8673-8687	Tagesschwankungen im elektrokardiogramm bei gesunden (Diurnal variations of the electrocardiogram in healthy persons). By H. Lackmann, 1941	$1.50
8688-8695	Beitrag zur frage der liquorveränderungen bei herpes zoster (Contribution to the problem of spinal fluid changes in herpes zoster). By B. Luchterhand, 1941	$1.50
8696-8705	Das haemangioendothelion, eine form des feuermals (Hemangioendothelioma, a form of nevus flammeus). By J. Ladeja, 1941	$1.50
8706-8714	Zur kasuistik der gutartigen bronchialtumoren (cylindrome und carcinoide) (Discussion of cases of benign bronchial tumors: cylindromata and carcinoids). By I. Madelung, 1941	$1.50
8715-8721	Untersuchungen über die abführenden bestandteile in Rhizoma Rhei (Studies on the laxative components of Rhizoma Rhei). By K. Maier, 1941	$1.50
8722-8733	Die beeinflussung der wasserstoffionenkonzentration der haut durch einige hautreinigungsmittel (Influence of certain detergents on the hydrogen ion concentration of the skin). By P. Mayer, 1941	$1.50
8734-8743	Über die zählung der thrombozyten (Counting of thrombocytes) By E. Meister, 1941	$1.50
8744-8760	Über die konnatale lues (untersuchungen an krankengut der Freiburger universitätskinderklinik) (Connatal syphilis: examinations of cases from the pediatric ward of the Freiburg university hospital). By H. Meng, 1941	$2.00
8761-8783	Experimentelle untersuchungen über antibakterielle hemmungsstoffe (inhibine) in verschiedenen abschnitten des darmkanals bein kaninchen (Experimental investigations on antibacterial inhibitors (inhibins) in various sections of the intestine of the rabbit). By H. Merkel, 1940	$2.50
8784-8794	Die veränderungen der kapillarmembranen der lunge bei herzfehlern und ihre bedeutung für die pneumonose (The changes in the capillary membranes of the lung in cardiac failure and their implications for pneumonosis). By H. Moele, 1941	$1.50
8795-8810	Über einen fall von pityriasis rubra pilaris beim kleinkind (A case of pityriasis rubra pilaris in a young child). By R. Mühleisen-Altpeter, 1941	$2.00
8811-8828	Beeinflussung der erythropoese durch injektion von eigen- und fremdblutery-throcyten (Influencing the erythropoesis by auto- and hetero-transfusion of erythrocytes). By H. Müller, 1941	$2.00
8829-8862	Die zunge als gebiss- und gesichtsformäder faktor (The tongue as an essential factor for the shaping of denture and face). By H. Noltemeier, 1940	$3.50
8863-8875	Untersuchungen über epithelkörperchenveränderungen bei chronischer niereninsuffizienz (Investigations on changes of parathyroid glands in chronic renal insufficiency). By H. Ohntrupp, 1941	$1.50

8876-8895 Über die histologischen veränderungen der lunge nach atmung von hochkonzentrierten sauerstoff in experiment (Histologic changes of the lungs after experimental inhalation of highly concentrated oxygen). By J. Pichotka, 1941 $2.00

8896-8906 Untersuchungen über die gefässzerreisslichkeit bei internen erkrankungen (Examinations on vascular fragility in internal diseases). By W. Schaefer, 1941 $1.50

8907-8925 Verwertung des knochentransplantaten nach funktionellen gesichtspunkten (Bone grafting according to functional aspects). By P. Schandih, 1941 $2.00

8926-8938 Über die muscularis mucosae des magens (The muscularis mucosae of the stomach). By H. Schellhaass, 1940 $1.50

8939-8949 Untersuchungen über bildung von antistoffen gegen "Prolan" beim menschen (Investigations on the formation of antibodies against "Prolan" in man). By E. Schorcht, 1941 $1.50

8950-8962 Untersuchungen über die veränderung der druck- und schmerzempfindung nach einer experimentellen nervendurchtrennung im selbstversuch (Investigations on the change in pressure and pain perception after an experimentally self-inflicted section of a nerve). By K. Schwabe, 1941 $1.50

8963-8971 Über zusammenhänge zwischen thymus, nebennierenrinde und pankreas (Interrelation of thymus, adrenal cortex and pancreas). By W. Siekinger, 1941 $1.50

8972-8985 Zur frage der bestimmung des ovulationstermines. Untersuchungen mit dem zykloskop nach Samuels (On the determination of ovulation time: application of Samuels's cycloscope). By A. Stibal, 1941 $1.50

8986-9002 Über das Laurence-Moon-Biedl'sche syndrom (Laurance-Moon-Biedl's syndrome). By R. Trobisch, 1941 $2.00

9003-9012 Über die resorption des traubenzuckers aus darmeinläufen, gemessen an den blutzuckerkurven (mit 6 abbildungen und 6 tabellen) (The resorption of glucose from enemas, measured by the blood sugar curves with 6 illustrations and 6 tables). By H. Vogtherr, 1941 $1.50

9013-9024 Beitrag zur kenntnis des kohlenhydratstoffwechsels bei tuberkulösen (verhalten des blutzuckers, insbesondere unter traubenzucker belastung und insulingaben) (Contribution to the knowledge of the carbohydrate metabolism in tuberculous patients: behavior of the blood sugar, particularly upon charging with glucose and administering insulin). By H. Wichmann, 1941 $1.50

9025-9038 Das verhalten von salben und salbengrundlagen gegenüber äusseren mechanischen und adsorbierenden einwirkungen (Behavior of ointments and ointment vehicles toward mechanic and adsorbing influences from the outside). By J. V. Wickede, 1941 $1.50

9039-9050 Zur kaufunktionellen tüchtigkeit wurzelbehandelter zähne unter zugrundelegung von kaudruckmessung (The masticating efficiency of teeth the roots of which were treated dentally, based on measurements of the mastication pressure. By K. Wilke, 1941 $1.50

9051-9076 Experimental-psychologische untersuchungen über die wirkung des pervitin aug geistige leistungen (Psychologic experiments regarding the effect of pervitin on mental aptitude). By F. Wunderle, 1941 $3.00

9077-9108 Familienforschungen über die zahnverhältnisse in einer landgemeinde der Baar (Genealogic research on the dental conditions in a rural community of the Baar). By K. Defert, 1941 $3.50

9109-9120 Pathologische zahnbefunde an mittelalterlichen skelettfunden aus Tiengen (Hochrhein) (Pathologic findings on the teeth of medieval skeletons discovered at Tiengen (Upper Rhine). By H.J. Fröbel, 1942 $1.50

9121-9132 Über auswurf- und wäschedesinfektion bei tuberkulösen. Versuche mit neuen seifenfreien wäschedesinfektionsmitteln (Sputum and laundry disinfection for tuberculous patients: experiments with new soapless disinfectants for laundry). By S. Hartmann, 1942 $1.50

9133-9141 Untersuchungen über die bakteriendifferentialfärbung nach Dold (Investigations on differential staining of bacteria according to Dold). By R. Kenke, 1942 $1.50

9142-9156 Untersuchungen über die farbstoffspeicherung in den nierenkanälchen der weissen mäuse bei experimentell gesteigerter und gehemmter diurese (Investigations on pigment storage in the renal tubules of white mice under experimental increase and decrease of diuresis). By K. Herklotz, 1942 $1.50

9157-9205 Hepatitis epidemica (sog. icterus catarrhalis) im kindesalter (Epidemic hepatitis so-called "icterus catarrhalis" in childhood). By M. Jungel, 1942 $5.00

9206-9213 Zur Bellergalbehandlung der Feerschen vegetativen neurose (Bellergal treatment of Feer's vegetative neurosis). By S. Kurtze, 1942 $1.50

9214-9227 Elektrokardiographische untersuchungen über das verhalten der vorhofsschwankung bei ableitung von der speiseröhre and benutzung einer zweiten, indifferenten elektrode (Electrocardiographic investigations on the behavior of the auricular wave during derivation from the esophagus while using a second indifferent electrode). By J. Maas, 1942 $1.50

9228-9234 Die trockenbuttermilch "Eledon" bei ernährungsgestörten säuglingen (Dehydrated buttermilk "Eledon", for dystrophic infants). By G. Meyer, 1942 $1.50

9235-9256 Erbform und manifestationsschwankungen in einer syndaktylen polydaktyliesippe (Hereditary types and variation of manifestation in a kin carrying syndactyl polydactylism). By E. Nufer, 1942 $2.50

9257-9272 Schwangerschaftstoxikosen und ihre auswirkungen auf das kind (Toxicoses of pregnancy and their effects on the infant). By H. Stephan, 1941 $2.00

9273-9278 Über geschlechtsverteilung, berufsgliederung und geographische verbreitung

der multiplen sklerose in Süd-Baden (Distribution of multiple sclerosis in southern Baden by sex, vocation and geography). By R. Wilkens, 1941 $1.50

9279-9309 Die hautreaktion auf röntgenbestrahlung unter gleichzeitigem wärmezufluss (Cutaneous reaction to x-ray irradiation and simultaneous application of heat). By L. Schlatter, 1941 $3.50

9310-9355 Über die haftfähigkeit von salben und salbengrundlagen auf der haut (The adhesive power of ointments and ointment bases on the skin). By E. Frerichs, 1941 $5.00

9356-9453 Das röntgenbild des tuberkulösen rundherdes (The x-ray picture of tubercular round foci). By J. Schmidt, 1939 $10.00

9454-9485 Über einen fall von halbseitenekzem bei syringomyeliähnlicher nervenerkrankung (A case of unilaterlal eczema associated with a nervous disease resembling syringomyelia). By H. Günther, 1941 $3.50

9486-9524 Der distraktionsgips bei oberarmschaftfrakturen. Erhebungen an krankengeschichten der chirurgischen universitätsklinik in Freiburg (Extension splint with plaster of Paris for shaft fractures of the humerus: Facts compiled from historical charts of the surgical department of the Freiburg university hospital). By U. Greifelt, 1942 4.00

FB M 73337 FREIBURG, GERMANY. UNIVERSITY. Doctors' theses on various medical and dental subjects. (FIAT Microfilm Reel M 60, Frames 9525-9999, and Frames 1-411.) 1939-1942 885 f Price: Microfilm-$6.00 - Enlargement print-$85.50

This FIAT microfilm reel consist of items in the field of medicine and dentistry. The material was obviously seized in the library of the above university. Individual items are listed below and will be available as enlargement prints only; the entire reel may be purchased in microfilm form for $6.00. Please include FB and frame numbers when ordering individual items from this microfilm reel, In German.

Frames	Title	Price
9525-9580	Die perforationen der gallenblase und ihre chirurgische behandlung (Perforations of the gallbladder and their surgical treatment). By F. Schneider-Graber, 1941.	$6.00
9581-9604	Über eine einfache herstellungsmethode von einstoff-prothesen aus Palapont und Paladon (A simple method of preparing one-material prostheses from "Palapont" and Paladon"). By T. Josef. n. d.	2.50
9605-9635	Die behandlung der unterkieferschussfrakturen aus dem osten in der Freiburger universitätsklinik (Treatment of gunshot fractures of the mandible from the eastern theater of war, in the Freibrug University Hospital) By H. Czybulka, 1942.	3.50
9636-9669	Spät-tetanus (Late tetanus). By B. Tönnesmann, 1941.	3.50
9670-9717	Über das "retothelsarkom" des magens (On retothelial sarcoma of the stomach). By F. Baumann, 1942.	5.00
9718-9769	Über die frage der beteiligung des thymus an der myasthenia gravis pseudoparalytica (The problem of the involvement of the thymus in myasthenia gravis pseudoparalytica). By G. Milzner, 1942.	5.50
9770-9826	Zur frage der wasserstoffionen-konzentration des schweisses (The hydrogen ion concentration of sweat). By D. Riess, 1942.	6.00
9827-9851	Der einfluss von kunstfetten auf die dicarbonsäureausscheidung im harn, die alkalireserve und den fettgehalt der fäces beim menschen (Influence of synthetic fats on the excretion of dicarboxylic acids in the urine, on the alkali reserve, and on the fat content of the feces in man). By W. Bayer, 1941.	2.50
9852-9886	Zur geschicht der stillungsnot in Deutschland und zur praxis ihrer behebungsmassnahmen (History of the grave situation in breast-feeding prevalent in Germany, and measures for its improvement). By A. Müller, 1942.	3.50
9887-9919	Zur beurteilung der QRS - breite des elektrocariogramms bei der von Schellong angegebenen herzfunktionsprüfung (Evaluation of the length of the QRS complex in electrocariograms applied in Schellong's cardiac efficiency test). By G. Arsman, 1942.	3.50
9920-9958	Die anspannungs- und auctreibungszeit des herzens bei gesunden und bei menschen mit beginnenden kreislaufschäden (Contraction and ejection periods of the heart in healthy persons and in those with early circulatory insufficiency). By H. Cogarten, 1942.	4.00
9959-9999	Klinische beiträge zur abszess-tonsillektomie (Clinical contributions to abscess tonsillectomy). By H. Barthol, 1942.	4.50
1-21	Untersuchungen über die tuberkulinschnellreaktion nach Sutherland (Investigations on the rapid tuberculin test according to Sutherland). By E. Gehling, 1942.	2.50
22-83	Die radiumbehandlung der hämorrhagischen metropathien und der myome an der Freiburger universitäts-frauenklinik (Radium therapy for hemorrhagic metropathia and myoma at the gynecologic department of the Freiburg university hospital). By K. Gülpen, 1939.	6.50
84-104	Nervöse versorgung der naevus-körperchen und auftreten von vegetativen nervenendnetzen in naevusschnitten (Nerve supply of nevus corpuscles and occurrence of sympathetic nervous end plexus in sections of nevi). By G. Roth, n. d.	2.50
105-147	Über die "helle zelle" in der tube (The "bright cell" in Fallopian tubes) By W. Schlemminger. n. d.	4.50
148-187	Untersuchungsergebnisse seit einführung der 3. verordnung über unfallerkrankungen bei der begutachtung von 200 ekzemkranken bäckern (Results of expert examinations of 200 bakers affected with eczema, after introduction of the third decree concerning diseases due to accident). By H. Schwiertz, 1942.	4.00
188-229	Über die brauchbarkeit der nebenniere der weissen maus als testorgan für biologische substanzen (Suitability of adrenal glands of white mice as test organs for biologic substances). By B. Vogt, 1942.	4.50
230-305	Schädigungen und zwischenfälle bei der bronchographie (Injuries and incidents in bronchography). By O. Bruder, 1942.	8.00
306-338	Betrachtungen über die unterkieferfrakturen und ihre behandlung (Mandibular fractures and their treatment). By E. Meyer, 1942.	3.50
339-363	Die folgen des abortes für die fruchtbarkeit der frau (Consequences of abortion	

for the fertility of women). By G. Schmidt, 1941. 2.50

364-411 Nebenwirkungen bei der kontrastdarstellung der gallenblase mit tetra-jodphenolphthalein natrium (By-effects during contrast visualization of the gallbladder with the aid of the sodium salt of tetra iodophenolphthalein). By M. Hildebrand. n.d. 5.00

FB M 73338. FREIBURG, GER. UNIVERSITY. Doctors' theses on various medical subjects. (FIAT Microfilm Reel M 61. Frames 412-1250) 1941-1942. 839 f Price: Microfilm-$6.00 - Enlargement print-$84.00
This FIAT microfilm reel consists of 19 items in the field of medicine. The material was obviously seized in the library of the above university. Individual items are listed below and will be available as enlargement prints only; the entire reel may be purchased in microfilm form for $6.00. Please include FB and frame numbers when ordering individual items from this microfilm reel. In German.

Frames	Title	Price
412-441	Über die erfolgsaussichten der tonsillektomie bei akutem gelenkrheumatismus (Prospects of tonsillectomy in acute rheumatic fever). By E. Pelka, 1941	$3.00
442-481	Dauer und ergebnisse der behandlung von unterschenkelschaftbrüchen (Duration and results of the treatment of fractures of the crural shaft). By K. Riess, 1941.	4.00
482-537	Die wirkung der sulfonamide bei otitis media und anginen (Action of sulfonamides in otitis media and tonsillitis). By H. Rudolph, 1941.	6.00
538-580	Zur frage der angioblastomatose des rückenmarks (To the problem of angioblastomatosis of the spinal cord). By H. Schmid, 1942.	4.50
581-620	Klinische und experimentelle untersuchungen zur frage über die beziehung zwischen thymus und schilddrüse (Clinical and experimental studies on the problem of the relation between thymus and thyroid gland). By H. Spiegel.	4.00
621-58	Muskelinnendruck und venendruck bei sauerstoffmangelatmung (Internal muscular pressure and venous pressure during respiration in an atmosphere lacking oxygen). By F. Küchle, 1942.	4.00
659-691	Die beeinflussung des prothrombingehalts des neugeborenenblutes durch vitamin K-verabreichung an das kind bzw. an die mutter (Influencing the prothrombin content of the blood of the new-born by feeding vitamin K to infant or mother). By H. Schönberger, 1942.	3.50
692-721	Chondrome, die scheinbar ausserhalb der gelenkhöhle liegen, bei gelenkchondromatose (Chondromas lying apparently outside the joint cavity, on chondromatosis of the joint). By G. Hildebrand.	3.00
722-747	Beiträge zur klinik der akuten mucosusotitis (Contribution to the symptomatology and treatment of acute mucosus otitis). By H. Honneth, 1942.	3.00
748-842	Zur strahlenbehandlung des speiseröhrenkrebses (Irradiation treatment of cancer of the esophagus). By M. Lütchenzeier, 1942.	9.50
843-887	Praktische anwendung von "Aerion" kondensatorenkammern zur röntgendosismessung (Practical application of "Aerion" condenser chambers for measuring x-ray dosages). By G. A. Martini, 1942.	4.50
888-923	Teratoma orbitae congenitum. Ein Beitrag zum teratomproblem (Teratoma orbitae congenitum: contribution to the problem teratomas). By B. Müller, 1941.	4.00
924-965	Beitrag zur verursachung der leberzirrhose (Contribution to the etiology of cirrhosis of the liver). By T. Schneider, 1942.	4.50
966-1011	Die ergebnisse der palliativen behandlung des inoperablen magenkarcinoms (Results of palliative treatment of inoperable gastric cancers). By A. Schudy, 1941.	5.00
1012-1055	Über die änderung verschiendener kreislaufgrössen bei blutdruckschwankungen kranker mit bluthochdruck (Change of several circulatory values in patients with hypertension exhibiting fluctuations of the blood pressure). By G. Völker, 1941.	4.50
1056-1104	Die behandlung der placenta praevia (Treatment of placenta previa). By R. Bohr,	5.00
1105-1166	Über das säurebindungsvermögen der hautoberfläche (The acid combining power of the surface of the skin). By I. Doetsch, 1942.	5.50
1167-1183	Über die salzsäure-collargol reaktion des liquor cerebrospinalis (The hydrochloric acid collargol reaction of the spinal fluid). By G. Jehrl	2.00
1184-1250	Protrahiert fraktionierte röntgenbestrahlung nach Coutard bei carcinom der haut (Prolonged fractional x-ray irradiation of the skin according to Coutard in cancer of the skin). By A. Kohler	7.00

FB M 73513. FREIBURG, GERMANY. UNIVERSITY. Reports and a manual on medical subjects. (FIAT Microfilm Reel M 76, Frames 3513-4337) 1942. 824 f. Price: Microfilm-$3.00 - Enlargement print-$82.50
This FIAT microfilm reel consists of four items in the field of medicine. The material was obviously seized in the library of the above university. Individual items are listed below and will be available as enlargement prints only; the entire reel may be purchased in microfilm form for $3.00. Please include FB and frame numbers when ordering individual items from this microfilm reel. In German.

Frames	Title	Price
3513-4274	Blutkrankheiten (Handbuch der inneren medizin) (Blood diseases(Manual of internal medicine)). By L. Heilmeyer. 1942. (This is a chapter from the manual of internal diseases by the above author. It is subdivided into the following sections: diseases of the erythrocytic system; diseases of the leucocytic and reticulo endothelial system; hemorrhagic diatheses; aplastic diseases of the bone marrow; blood parasites; and splenic diseases. The chapter is richly illustrated.)	$77.25
4275-4312	Die hämodynamik beim kollaps und bei der herzschwäche in ihrer bedeutung fur die kreislaufpathologie (Hemodynamics in peripheral circulatory failure and in cardiac insufficiency, and its significance for the pathology of circulation). By L. Delius, no date. (This treatise refers to the etiology, pathogenesis and complications of peripheral circulatory failure and cardiac insufficiency with special regard to hemodynamics. Several controversial questions of the pathology of circulation are discussed).	4.00

4313 and 4339-4414 (reel M 77) Die formale pathogenese der hepatitis epidemica, nach untersuchungen an leberpunktaten (Formal pathogenesis of hepatitis epidemica in the light of analyses of liver punctates). By H. A. Kühn. 8.00
(Experimental punctures of the liver in epidemic hepatitis are described. The histological findings in the matter thus obtained are discussed extensively. The pathogenesis of the disease derived from these findings point to the presence of a virus as pathogenic agent.) Only frame 4313 can be found on this reel. For the rest of the paper see FIAT Microfilm reel M77 (PB 73349).

4314-4337 and 4338 (reel M 77) Veränderungen der lunge bei verschiedenen formen der sauerstoffvergiftung (Pulmonary changes in different types of oxygen poisoning). By A. Kühn and J. Pichotka, 2.50
(After a brief review of the experimental procedure a detailed description and exhaustive discussion of the histological findings in the lungs are given. The author concludes that the pulmonary changes are caused by a primary disturbance of the capillary circulation. This paper is concluded on reel M77 (PB 73349) which contains frame 4338).

PB M 73513-S. FREIBURG, GERMANY. UNIVERSITY. Reports and a manual on medical subjects. (FIAT Microfilm Reel M 76, 3513-4337, abstract cards) 1942. 7 p.
Price: Microfilm-$1.00 - Photostat-$1.00
These are abstract cards for the items on reel M 76 and partly M 77 (PB 73513 and PB 73349, respectively). They were prepared by FIAT abstracters in Germany.

PB M 73349. FREIBURG, GERMANY. UNIVERSITY. Various papers on medical subjects. (FIAT Microfilm Reel M 77, frames 4338-4818) 1944, 1945. 481 f. Price: Microfilm-$5.75 - Enlargement print-$48.50
This FIAT microfilm reel consists of items in the field of medicine. The material was obviously seized in the library of the above university. Individual items are listed below and will be available as enlargement prints only; the entire reel may be purchased in microfilm form for $5.75. Please include PB and frame numbers when ordering individual items from this microfilm reel. In German.

Frames	Title	Price
4338	Veränderungen der lunge bei verschiedenen formen der sauerstoffvergiftung (Pulmonary changes in different types of oxygen poisoning). The title page is the conclusion of a report on reel M76 (PB 73513), which contains frames 4314-4337. For details including the pertinent abstract see reel M 76.	$1.50
4339-4414	Die formale pathogenese der hepatitis epidemica, nach untersuchungen an leberpunktaten (Formal pathogenesis of hepatitis epidemica in the light of analyses of liver punctates). This is the main part of a report the beginning of which is found on reel M 76 (PB 73513), frame 4313. For details and a pertinent abstract see reel M 76.	8.00
4415-4441	Die pathogenetische bedeutung des allgemeinen sauerstoffmangels (Pathogenetic significance of general lack of oxygen). By F. Buechner, 1944. This is a survey of physiological and pathological results of and anatomical findings (particularly in the brain) in general lack of oxygen.	3.00
4442-4453	Über die sauerstoffvergiftung (Oxygen poisoning). By H. A. Kuhn and J. Pichotka The general aspects of oxygen poisoning are discussed.	1.50
4454-4494	Akute und chronische sauerstoffvergiftung (Acute and chronic oxygen poisoning). By H. A. Kühn and J. Pichotka. These are experiments on 4 guinea-pigs, which are forced to breathe air containing 90% oxygen, at an altitude of 9000 m. at different atmospheric pressures. The importance of absolute partial pressure of oxygen for oxygen poisoning is stressed.	4.50
4495-4548	Die folgen der anaemie-bedingten hypoxydose im grosshirn (Consequences of cerebral "hypoxydosis" caused by anemia). By J. Ulbricht, 1945. These are pathologic anatomical experiments on animals. 15 brains were examined. Numerous illustrations are included.	5.50
4549-4572	Lungencirrhose (Pulmonary cirrhosis). By H. Messen and H. Gros, 1945. This is a report on two cases of pulmonary cirrhosis. The condition is sufficiently characteristic to be referred to as a morbid entity. The various pathogenetic and etiologic factors are discussed.	2.50
4573-4687	Über natürliche glykogene (Natural glycogens). By H. Staudinger, 1945. The peculiarities of muscular and hepatic glycogens of various animals and those of cardial glycogen of guinea-pigs and cats are described. Particular attention is paid to the molecular weight and chemical structure of the glycogens.	11.50
4688-4713	Über einen fall familiärer amaurotischer idiotie vom typ "Tay-Sachs" (A case of familiar amaurotic idiocy of the "Tay-Sachs" type). By H. Turban, 1944. This is a doctor's thesis, presenting an extensive description of pathologic anatomical findings in the above condition.	3.00
4714-4770	Die vasomotorik der finger und die vegetativen reaktionen nach nervenschussverletzungen des armes (Vasomotoric phenomena of the fingers and vegetative reactions following gunshot nerve injuries of the arm). By E. Hannemann and R. Jung. 22 gunshot injuries of arms, with complete and incomplete severings of nerves, are observed and examined for electric neuromuscular symptoms. A topographic description of the vasomotoric supply of the digital nerves is included. Diagrams are attached.	6.00
4771-4818	Über die veränderungen des elektroencephalogramms nach elektroschockbehandlung (Electroencephalographic changes after electric shock therapy). By J. Cronerius and R. Jung. The experiments are performed in patients with depression, epilepsy, schizophrenia and in malingerers. Numerous graphs are included.	5.00

PB M 70007. TÜBINGEN, GERMANY, UNIVERSITY. Papers and theses on medical subjects. (FIAT Microfilm Reel M 44, frames 1-879). 1942-1946. 888 f. Price: Microfilm-$6.00 - Enlargement print-$89.00
This FIAT microfilm reel consists of 21 items in the field of medicine. The material was obviously seized in the library of the above university. Individual items are listed below and will be available as enlargement prints only; the entire reel may be purchased in microfilm form for $6.00. Please include PB and frame numbers when ordering individual items from this microfilm reel. In German.

Frames	Title	Price
1-26	Das auftreten eines "bürstenschädels" bei konstitutionellem hämolytischem ikterus (Occurrence of "bürstenschädel" (brush-like skull) in constitutional hemolytic jaundice). By E. Letterer, 1942. The characteristics of what appears röntgenologically as a brush-like skull are described in a case of constitutional hemolytic jaundice. The hyperostoses of the skull recognizable macro- and microscopically are shown by illustrations. The occurrence of "bürstenschadel" is found not to be pathognomonic for the constitutional form of hemolytic jaundice.	$3.00
27-46	Analyse der methylalkolvergiftung auf grund des pathologisch-anatomischen bildes (Analysis of methyl alcohol poisoning on the basis of the pathologic anatomical aspect). By H. Haile, 1943. The pathogenesis of methyl alcohol poisoning is discussed on the basis of studies of poisonings occurring in a group of persons. Death from methyl alcohol poisoning, it is stated, results from extensive damage to the capillary system caused by the formaldehyde formed by oxidation of the alcohol.	2.00
47-86	These frames are missing.	
87-117	Über die gefässveränderungen im grunde und in der umgebung des ulcus ventriculi (Vascular changes on the base and in the surrounding of gastric ulcers). By B. Freiherr Schilling Von Cannstatt, 1944. This paper gives a detailed account of the histology of arteries and veins supplying the ground of a gastric ulcer and its surrounding (granulation and scar tissue below and along the walls of the ulcer). The fundamental differences in behavior between the vessels of the ground of the ulcer and of the surrounding are pointed out, and conclusions as to the pathophysiology of the course of ulcer diseases are drawn from the findings.	3.50
118-156	Die histologie der uterusschleishaut bei sterilität (Histology of the uterine mucosa in sterile women). By W. Moeller-Mann, The experimental studies described in this thesis constitute an attempt to furnish a basis for the functional diagnosis of sterility by the uterine mucosa. A total of 278 specimens of curretage was examined. One group of specimens failed to show signs of pathologic ovarial function. The second group presented a glandular hyplasia of the mucosa, while the third group suggested absence of the ovarial cycle. In both these cases sterility was attributed to failure of the endometrium to prepare for the nidation of the ovum.	4.00
157-218	Alters- und funktionsmässig-bedingte veränderungen der weiblichen brustdrüse als grundlage für eine pathogenetische untersuchung der mastopathia cystica (Changes conditioned by age and function of the female breast as a basis for pathogenetic studies of cystic mastopathy). By H.-J. Knibbe, 1946. The examinations laid down in this thesis follow up anatomically and physiologically the development and course of changes of the female breast as produced by puberty, menstrual cycle, lactation and menopause. The close relations between glandular epithelium and connective tissue are underlined. Special attention is paid to the etiologic theory of mastopathia cystica, derived from the experimental data.	6.50
219-266	Das gehirn bei der lipoidgranulomatose (The brain in lipoid granulomatosis). By W. Masshoff. After reviewing cases known from literature, the author of this paper describes the anatomic findings in the brain of a case of lipoid granulomatosis observed personally. The etiology of this condition and its relations to similar conditions are discussed.	5.00
267-269	Ausgeliehene arbeiten (Medical papers on loan). This is a list of works including title and author lent by the medical division of Tübingen university.	1.50
270-277	Kritisches zu punktionen und punktaten (Review of punctures and punctates). By H. E. Bock. Based on extensive experiences, the author of this paper gives practical instructions for carrying out the most important punctures, calling attention to their dangers and to sources of errors in the evaluation of the punctates.	1.50
278-285	Zur klinischen bedeutung der amoebiasis (Clinical implications of amebiasis). By H. E. Bock. The author of this paper reports his experiences regarding intestinal parasites (especially Entameba histolytica) and the diseases caused by them, as observed in German soldiers of the Southern theater of the war.	1.50
286-310	Ausscheidung von "Periston" und von an "Periston" gebundenen stoffen (bilirubin, indigokarmin) (Elimination of "Periston" and of substances bound to "Periston", such as bilirubin and indigo carmine). By R. Schubert. The organs through which the above substances are eliminated from the body are described. Whether congo red and/or bilirubin are surrendered directly to the eliminating organ or only after preliminary linkage to serum albumin remains to be clarified. (Pages 2 and 23 are missing).	2.50
311-319	Wechselbeziehungen zwischen serum, periston und kongorot (Mutual relations between serum, "Periston", and congo red). By R. Schubert and E. Wiegandt Congo red when bound to serum albumin undergoes the same process as congo red when bound to "Periston", experiments disclosed. Speculations as to the assumed relationship between "Periston" and serum proteins conclude the paper.	1.50
320-323	Schwerste allergische erscheinungen mit todesfolge nach i.v. "Perabrodil" injektionen und vorschläge zur weitgehenden verhütung derselben (Severest allergic symptoms resulting in death, after intravenous injection of "Perabrodil", and suggestions for the prevention of these). Author not given.	1.50

A case of fatal allergy following intravenous injection of "Parabrodil" performed for intravenous pyelography is reported, and measures for the prevention of such accidents are discussed.

324-332 Vorsicht bei der beurteilung der blutsenkungsgeschwindigkeit nach "Periston"-infusionen (Caution in evaluating the blood sedimentation rate following infusion of "Periston"). By R. Schubert and E. Wiegandt. 1.50
A case of infusion of "Periston" followed by a considerable acceleration of the blood sedimentation rate. A presumption explanation of this phenomenon is given.

333-353 Todesfall nach "Abrodil". Intravenose pyelographie (Intravenous pyelography: Case of death after injection of Abrodil"). By R. Schubert. 2.50
In connection with a case of death after injection of "Abrodil", all observations of allergic symptoms following the application of contrast media containing iodine are discussed.

354-548 Verhalten wasserlöslicher vitamine gegenuber den serumeiweisskörpern mit besonderer berücksichtigung des transportproblems (Behavior of water-soluble vitamins toward serum proteins with special regard to the problem of transportation). By R. Schubert, 1943. 19.50
Research in the field of water-soluble vitamins has led to the conclusion that the circulation of these substances in the blood is necessarily controlled and protected somehow. Experiments reported in this paper suggest that vitamin C is protected by the serum proteins which constitute its vehicle. There is suggestive evidence that also lactoflavin is bound on serum.

549-624 Vitamin H' und seine beziehung zu den serumeiweisskörpern (Vitamin H' and its relation to serum proteins). By E. Holder, 1944. 8.00
This thesis reviews known facts about p-amino benzoic acid and discusses the nature and effects of vitamin H', especially its importance for the action of the sulfonamides. Cataphoretic experiments of vitamin H' (in different concentrations) with serum are described in detail.

625-686 Der pellagraschutzstoff nikotinsäureamid in seinem verhalten gegenuber den serumeiweisskörpern und gegenüber dem plasmaersatzstoff "Periston" (The protective agent, nicotinamide, and its behavior toward serum proteins and toward the plasma substitute "Periston"). By E. Haller, 1944. 6.50
This paper reports experiments by which the percentages of the binding, on serum proteins, of nicotinamide and "periston" respectively are determined.

687-789 Experimentelle untersuchungen über das verhalten des antihämorrhagischen vitamin K gegenüber plasmaeiweiss. Einbeitrag zur frage der blutgerinnung (Experimental studies on the behavior of antihemorrhagic vitamin K toward plasma protein: a contribution to the problem of blood coagulation). By I. Seeger, 1943. 10.50
Experiments with an antihemorrhagic vitamin K preparation, "Synkavit Roche", showed that this preparation combined with the albumin fraction of serum at 400 mg. %. Also linkage to "Periston" was established. The globulins did not participate in the linking process.

790-834 Über das verhalten von Opalina ranarum gegenüber farbstoffen in verschiedenen milieu /salzlösungen, serum, "Periston"/ (The behavior of Opalina ranarum toward dyes in different media / salt solutions, serum, "Periston"/). By K. H. Jaehner, 1945. 4.50
Experiments showed that Opalina ranarum can be dyed with congo red, trypan blue etc. in the presence of serum of "Periston", while this is not possible in the presence of pure salt solutions.

835-879 Über die diagnostische bedeutung der kongorotprobe nach Bennhold und untersuchungen über die schwankungsbreite der methode (The diagnostic significance of Bennhold's congo red test and investigations concerning the range of variation of this method). By K. Dolega. 4.50
Experiments on 19 patients disclosed a variation and error range of the above test of 3.8 to -3.7%.

FB M 70007-S. TÜBINGEN, GERMANY. UNIVERSITY. Papers and theses on medical subjects. (FIAT Microfilm Reel M 44, Frames 1-879, abstract cards) 1942-1946. 46 p.
Price: Microfilm-$1.00 - Photostat-$4.00
These are abstract cards for reel M 44 (FB L 70007). They were prepared by FIAT abstracters in Germany, in German and English.

METALS AND METAL PRODUCTS

FB L 73678. AACHEN, GERMANY, TECHNISCHE HOCHSCHULE. Machine shop practice and metallurgy. (FIAT Microfilm-Reel L 108, Frames 1925-3902). 1943-1945. 978 f
Price: Microfilm-$6.00 - Enlargement print-$98.00
This FIAT microfilm reel consists of 14 reports covering various phases of machine shop practice as well as aluminum and magnesium alloys and babbitt metal. Some of the reports were submitted to the Technische Hockschule as theses toward doctorates in Engineering. The individual reports, listed below, will be available as enlargement prints only; the entire reel may be purchased in microfilm form for $6.00. Please include FB and microfilm numbers when ordering individual items from this microfilm reel. In German.

Frames	Title	Price
1925-1945	Versuchsbericht über aufgeschweisste fräser (Test report on hard-faced milling cutters). Sep . 11, 1943.	$1.50
1946-2096	Entwicklungsrichtungen bei fräswerkzeugen aus schnellstahl (Trends of development of high-speed milling cutters). Sep 2, 1943.	15.50
2097-2153	Auswertung von schleifversuchen verschiedener institute. (Evaluation of grinding tests of various laboratories (for a standard grinding test)). Mar. 6, 1944.	6.00
2154-2223	Untersuchung der vergleichbarkeit von schleifergebnissen und ermittlung der beim schleifen auftretenden radialkräfte. (Comparative grinding test results and determination of radial forces occurring at grinding). Aug. 20, 1944.	7.00

2224-2233 Bestimmung der oberflächengüte von rollen. (Determination of the surface quality of rollers.) May 21, 1943. 1.50

2234-2242 This report is identical with the above report on frames 2224-2233.

2243 Cover does not belong to the following report.

2244-2247 Ermittlung der oberflächengüte durch aufnahme von profilkurven. (Determination of the surface quality by recording the profile curves (stud bolts)). Jul 3, 1943. 1.50

2248-2252 Betriebsversuche mit schlagzahnfräsern an stahlguss. (Shop tests with fly milling cutters ("schlagzahnfräser") on cast steel products). n.d. 1.50

2253-2257 This report is identical with the above report on frames No. 2248-2252.

2258-2271 Über drehversuche mit negativen spanwinkel beim schruppen von stahlguss sowie über die bestimmung des bestgeeigneten spanwindels für die schruppbearbeitung. (Turning tests with negative true rake angle when roughing cast steel; determination of the best true rake angle for the roughing process). Feb. 2, 1945. 1.50

2272-2285 Bericht über vorversuche zur zerspanung von panzermaterial in erhitztem zustand. (Preliminary tests for cutting armor plate in heated condition). Jun 1942. 1.50

2286-2294 Bericht über die heissbearbeitungsversuche (Hot working test with cutting tools). Jun 10, 1942. 1.50

2295-2600 Untersuchungen über hochbleilagermetalle mit zusätzen von hochschmelzenden metallen aus der zentralreihe des periodischen systems. (Research on high-lead babbit metals with additions of high-melting metals from the central series of periodic system). n.d. 30.50

2601-2671 Über den einfluss von hochschmelzenden metallen aus der zentral reihe des periodischen systems auf bleilagermetalle (On the influence of high-melting metals from the central series of the periodic system on lead babbit metals). n.d. 7.50

2672-2760 Ein beitrag zur frage der schweissbarkeit von aluminiumlegierungen. (On the weldability of aluminum alloys). n.d. 9.00

2761-2902 Beiträge zur frage der schmelzführung bei magnesium-guss-legierungen. (Overheated melting of magnesium casting alloys). n.d. 14.00

PB L 73678-S AACHEN, GERMANY. TECHNISCHE HOCHSCHULE. Machine shop practice and metallurgy. (FIAT Microfilm Reel L 108, Frames 1925-2902, abstract cards.) 1942-1945. 18 p. Price: Microfilm-$1.00 - Photostat-$2.00
This report consists of brief abstracts, prepared by FIAT personnel in Germany of FIAT microfilm reel L 108 (PB 73678) abstracted above.

* PB L 77728. BEGG, R. W. and HEAD, W. O. R. German woven wire industry in the British, American and French zones of occupation. (BIOS Final Rept 1201, Item 21, 31) Nov - Dec 1945. 57 p. Price: Microfilm-$2.00 Photostat-$4.00
Eighteen factories were investigated and report given on each with particular reference to: a) Buildings and layout: b) Equipment: c) Method of production; d) Labor conditions; and e) Commercial and other information. Drawings are included.

* PB L 78223. BOAG, D. J. W. and others. Development of the Agil R.N.D. electrode for welding German armour plate. (BIOS Final Rept 1227, Interrogation Rept 427, Item 9, 21) Mar 1947. 7 p. Price: Microfilm-$1.00 - Photostat-$1.00
This document deals with the development of the Agil R.N.D. welding electrode capable of welding German armor plate up to 180 mm thickness. The composition of the wire, the coating and the blinding agent, the process of producing the electrode and the mechanical properties of welds made with the electrode are described on the basis of information secured from its developer, Schieffelbein, under interrogation.

* PB L 78207. BRITISH INTELLIGENCE OBJECTIVES SUB-COMMITTEE. Developments in the German steel industry. (Final Rept 619, Item 21) Sep 1945. 170 p. Price: Microfilm-$4.00 - Photostat-$12.00
This report presents a survey of developments in the technique of steel tube production in Germany during the war. It was prepared by a team of British investigators and refers particularly to the push-bench process which was used almost exclusively for the production of hollows, to the extrusion process and the Pilger mill process. Firms manufacturing steel tubes in the British occupied zone in Germany are listed, their production figures and their equipment and physical condition at the reporting time described. Drawings included.

* PB L 77708. COXON, W. F. and others. Impact extrusion. Visits to Herlan (Karlsruhe) and Vereinigte Deutsche Metallwerke (Nuremburg) (BIOS Final Rept 462, Item 17, 21) Nov 1945. 4 p. Price: Microfilm-$1.00 Photostat-$1.00
This report describes the German methods of impact extrusion as used in the Maschinenfabrik Harlan, and Vereinigte Deutsche Metallwerke, with particular respect to the manufacture of signal light cartridges and collapsible tubes for toothpaste and pharmaceuticals made of aluminum.

* PB L 78229. FISHER, G. and others. German piston and piston ring industry. (BIOS Final Rept 301, Item 19, 21, 26) Oct 1945. 64 p. Price: Microfilm-$2.00 - Photostat-$5.00
A report of a British team of investigators on their visits to firms in the British occupied zone in Germany engaged in the manufacture of pistons and piston rings. Processes used by these firms, their output, type of machinery and plant condition at the time of the report are described. Drawings included.

* PB L 78726. FRANCE, A. E. Report on German manufacture of fish hooks and agate rings for fishing rods. (BIOS Final Rept 1056, Item 37) Feb 1947. 8 p. Price: Microfilm-$1.00 - Photostat-$1.00
This report contains information on German manufacture of fish hooks and is the result of investigation made in the few German firms manufacturing and using fish hook machines. It includes observations on the manufacture of agate rings for fishing rods which was predominantly done by out-workers or home-workers performing single operations and passing their product to others for further operations. The type of machines used in both the fish hook and the agate ring industry is described. Drawings included.

* PB L 77722. GEORGE, F. B. and others. Developments in the hot rolling of steel sections and bars in Germany. (BIOS Final Rept 1182, Item 21) Mar - Apr 1946. 107 p. Price: Microfilm-$3.00 - Photostat-$8.00

This report is the result of studies of machinery for the hot rolling of steel sections and bars in 22 of the principal steel mills in Germany. Special attention is paid to the smaller sections and bars such as would be rolled in mills from about 20" pinion diameter downwards. Auxiliary machinery found of interest in individual mills is described. Drawings included.

* PB L 77897. GILLESPIE, W. Pipe bending methods employed in Germany. (BIOS Final Rept 488, Item 25) Mar 1946. 12 p. Price: Microfilm-$1.00 - Photostat-$1.00

A British team of investigators report on their findings in seven German machine, pipe and pipe-bending machine factories on their methods especially as applying to aircraft plumbing and aircraft tubular assemblies, including methods employed by Junkers Flugzeugbau, Berlin. Drawings included.

* PB L 77714. GILSTON, M. and others. German aluminum foil industry. (BIOS Final Rept 1100, Item 21) Apr 1946. 37 p. Price: Microfilm-$1.00 - Photostat-$3.00

This document contains information secured by a team of British investigators on their visits to nine German factories manufacturing aluminum foil. Processes and machinery used by these firms in various stages of manufacture, their working conditions and output are dealt with in some detail.

* PB L 78221. GREENLAND, K. M. and others. German methods of rhodiumizing, aluminizing, anti-reflection surface coating, and allied subjects. (BIOS Final Rept 1215, Item 21, 22, 31) Mar 1947. 32 p. Price: Microfilm-$1.00 - Photostat-$3.00

This document describes German methods of rhodiumizing, aluminizing, anti-reflection coating and allied subjects based on visits to the following firms: A. Pfeiffer and E. Leitz, Wetzlar, W. C. Heraeus, Hanau, and C. A. Steinheil, Munich. Drawings are included.

* PB L 78656. HAWKINS, A. H. and PHELPS, J. R. German wire goods industry. (BIOS Final Rept 1225, Item 21, 31) Mar 1947. 12 p. Price: Microfilm-$1.00 - Photostat-$1.00

This document is a report on visits to the largest and best-known firms in Germany manufacturing wire goods, especially screw eyes, screw hooks, gate and shutter hooks, cotter pins and the like. It contains also a summary of information secured and of the German wire goods industry in general.

* PB L 77715. JAKOBI, JULIUS and others. Survey of secondary aluminum industry in Germany. (BIOS Final Rept 1099, Item 21) Nov 1945. 31 p. Price: Microfilm-$1.00 - Photostat-$3.00

Report on a survey of 12 German firms engaged in the recovery of aluminum scraps, borings and skimmings and the production of secondary aluminum alloy ingots. Visited plants and their equipment are described together with any special processing methods.

PB L 73426. KOHLE UND EISENFORSCHUNGSINSTITUT, DORTMUND, GERMANY. Metallurgical processes and testing of metals and metal products. (FIAT Microfilm Reel L 9, Frames 1-742). 1938-1944. 742 f. Price: Microfilm-$6.00 - Enlargement print-$74.50

This reel was prepared by FIAT investigators in Germany. Individual items are listed below and will be available as enlargement prints. Please include PB and frame numbers when ordering individual items. In German.

Frames	Title	Price
1-7	Inhaltsverzeichnis. Das verzeichnis enthält die titel der in den folgenden Bildnummern einzeln wiedergegebenen gutachten verschiedener art (Index. The index contains the titles of the different kinds of evaluations given separately in the following numbers of pictures).	$1.50
8-12	Sechskantschrauben mit aussparung im vergleich mit normalen sechskantschrauben (Hexagonal head screws with recess as compared with normal hexagonal head screws).	1.50
13-15	Bestimmung der abschreckfestigkeit von steinen aus sintermagnesit und feinem korund (Determination of the quenching strength of bricks made of sintered magnesite and fine corundum).	1.50
16-27	Ermittlung der dauerstandfestigkeit von Patinastahl (Determination of the creep strength of Patina steel).	1.50
28-29	Gerollte, pressblanke schrauben aus St.C. 38.13 (Cold rolled pressed screws from C. 38. 13 steel).	1.50
30-34	Korrosionsuntersuchung von brüniert verzinkten blechen (Corrosion test of browned zinc-plated sheets).	1.50
35-39	Untersuchung von teeröl und pech (Analysis of tar oil and pitch).	1.50
40-42	Bestimmung der eigenschaften von magnesitsteinen (Analysis of the properties of magnesite bricks).	1.50
43-49	Glühversuche mit einem elektrischen glühofen mit besonderer gasatmosphäre (Annealing tests in an electric furnace with special gas atmosphere).	1.50
50-54	Prüfung von bohrrohrverbindungen auf der Schenk'schen torsionsmaschine (Examination of bore pipe connections with Schenk's torsion apparatus).	1.50
55-56	Beizen von eisenblechen unter anwendung von strom (Sheet iron etching by means of electric current).	1.50
57-62	Vergleich der kornausbildung von Izettstahl, SM-stahl und Thomas-stahl bei verschiedenen kaltverformungsgraden (Comparison of grain formation of Izett-steel, SM-steel, and Thomas-steel at different degrees of cold deformation).	1.50
63-64	Bronze-filterdüsen in der wasserreinigung (Bronze filter nozzles used in water purification operations).	1.50
65	Prüfung der haftfestigkeit von winkeleisen in beton (Examination of the adhesiveness of angle iron in concrete).	1.50
66-69	Untersuchung von magnesitsteinen (Investigation of magnesite bricks).	1.50
70-73	Beurteilung eines risses im obergurt eines tragarmes (Evaluation of a crack in the top flange of a girder).	1.50

Metals and Metal Products (contd)

74-77	Beurteilung von asphaltproben als fussbodenbelag (Evaluation of asphalt samples as floor covering).	1.50
78-81	Bestimmung der eigenschaften von klippenflässers bei hohen temperaturen (Determination of the properties of Rocky pig ore at high temperatures).	1.50
82-89	Beurteilung von rissen in einem flanschmitnehmerstutsen (Evaluation of cracks in a flange driving socket).	1.50
90-93	Vorschläge zur verbesserung der herstellungsweise von schlackensteinen (Proposals for improvement of the preparation of slagstones).	1.50
94	Druckversuche an betonwürfeln (Pressure tests on concrete cubes).	1.50
95-98	Fahrdraht der Fa F.Thomé im vergleich mit Armcoeisendraht (Thomé trolley wire in comparison with Armco iron wire).	1.50
99	Untersuchung von schamottesteinen auf druck-u.feuer festigkeit (Examination of the compression strength and the fireproof quality of chamotte (fire) bricks).	1.50
100-102	Prüfung von magnesitspezialsteinen der Fa. Veitscher magnesitwerke Wien (Testing of special magnesite bricks of the Veitscher magnesitwerke, Vienna).	1.50
103-105	Untersuchung von schlackensplitt auf zerfall (Test of slag-splittings regarding their decomposition).	1.50
106-109	Ermittlung der bruchursache von Förderwagenfedern (Detection of the cause of the breaking truck springs).	1.50
110-115	Untersuchung des einflusses von teerdämpfen auf pflanzen (Examination of the influence of tar vapors on vegetation).	1.50
116-120	Untersuchung von feuerfesten steinen (Examination of fireproof stones).	1.50
121	Untersuchung von flugzeugspanndraht 12,7 mm (Examination of 12,7 mm. airplane tension cable).	1.50
122-126	Versuche mit titanhaltigem möller (Tests with burden containing titanium).	1.50
127	Untersuchung einer trennschichtprobe (Examination of a partition layer sample).	1.50
128-132	Untersuchung einer becherwerkslasche (Examination of a bucket conveyor-side bar).	1.50
133-134	Untersuchung von poren in verzinnten blechen (Examination of pores in galvanised sheet iron).	1.50
135-141	Untersuchung von lackierten transportfässern für alkohol auf korrosionsfestigkeit (Examination of the resistance to corrosion of lacquered transport barrels for alcohol).	1.50
142-146	Untersuchung von zwei vanadinschlackenproben (Analysis of two vanadium slag samples).	1.50
147-149	Prüfung von schneeketten auf verschleissfestigkeit (Examination of skid chains).	1.50
150-154	Reduktion von kalziumvanadat mit kohlenoxyd bei 700° C (Reduction of calcium vanadate with carbon monoxide at 700° C).	1.50
155-161	Glühversuche mit bolzen aus stahl St C 35.61 (Annealing tests with bolts St C 35.61 steel).	1.50
162-171	Untersuchung eines hornfelgeneisens (Examination of a horn rim iron).	1.50
172-174	Schädigung von vieh durch hochofenstaub (Injuries to the health of cattle due to blast furnace dust).	1.50
175-180	Untersuchung von schienen der "Buenos Aires Great Southern Railway" (Examination of rails of the "Buenos Aires Great Southern Railway").	1.50
181-186	See report No. 172-174 regarding the same subject.	1.50
187-191	Untersuchung von chrommagnesit-steine "Rubinit" (Examination of "Rubinit" chromium magnesite stones).	1.50
192-196	Untersuchung von koksofensteinen (Investigation of coke oven stones).	1.50
197	Untersuchung einer versuchswalzung auf zirkon (Analyses of a test rolling of zirconium).	1.50
198-206	Untersuchung eines eisendrahtgewebes (Examination of an iron wire screen).	1.50
207	Untersuchung von ketten für die kriegsmarine (Examination of chains for the Navy).	1.50
208	Frame number 208 is missing.	
209	Untersuchung eines austauschstahles ECMO 100 (Examination of ECMO 100, a substitute steel).	1.50
210-212	Bestimmung der scheerfestigkeit verschiedener stahlsorten (Examination of the shear strength of different kinds of steel).	1.50
213-216	Untersuchung einer ferngasleitung (Examination of a long distance gas line).	1.50
217-220	Autogene oberflächenhärtung (Autogenous surface hardening).	1.50
221-222	Zerreissversuche mit drähten in der kälte (Tensile strength tests of wires at low temperatures).	1.50
223-228	Untersuchung von zirkonhaltigen magnesitsteinen (Examination of magnesite stones containing zirconium).	1.50
229-234	Herstellung von hartpechen (Production of hard pitches).	1.50
235-236	Frostschutzmittel "Teroson M 58" (Teroson M 58" anti-freeze).	1.50
237-242	Untersuchung von rohrbelägen in den rohren eines Wagner-hochdruck-dampfkessels (Examination of tube coverings in the tubes of a Wagner high pressure boiler).	1.50
243	Feststellung der sulfurierbaren bestandteile verschiedener pechsorten (Determination of the sulfurizable parts of different kinds of pitch).	1.50
244-247	Untersuchung von nachlauffettsäure als austausch für palmfett (Examination	

of late fatty acid fractions as a substitute for palm oil). 1.50

248-251 Untersuchung von pistolenfederdraht (Examination of a pistol spring wire). 1.50

252-255 Versuche zur geruchsverbesserung von maschinenputzöl (Attempts to improve the odor of cleaning oil). 1.50

256-258 Versuche zur herstellung von hartpechen (Tests for the production of hard pitches). 1.50

259-261 Nachprüfung einer patentanmeldung über verzinnen, verzinken und veraluminieren (Checking of a patent application concerning tin-plating, galvanizing, and aluminum-plating). 1.50

262-264 Nachprüfung einer patentanmeldung auf herstellung thermoplastischer bituminöser stoffe (Checking of a patent application concerning the production of thermoplastic bituminous material). 1.50

265-266 Untersuchung der leuchtfarbe "Clarolit" auf gesundheitsschädigendes verhalten (Test of "Clarolit" luminous paint with regard to health injuries). 1.50

267-268 Untersuchung des einflusses von wasserdampf auf den stickstoffgehalt im stahl (Examination of the influence of steam on the nitrogen content of steel). 1.50

269 Untersuchung der abgänge der Blei-Zinkflotation in bezug auf eignung für die hochofenverhüttung (Examination of the waste from the Lead-Zinc flotation regarding the suitability for blast furnace melting operations). 1.50

270 Picture No. 270 is missing.

271-277 Untersuchung von pistolenfederdraht (Test of pistol spring wires). 1.50

278-285 Ungleichmässige festigkeitseigenschaften von geglühtem bandstahl (Varying strength properties of annealed strip steel). 1.50

286-288 Untersuchung einer schneckenwelle auf werkstoffursprung (Test of a worm shaft with regard to the origin of material). 1.50

289-291 Untersuchung von stampfmassen für zimeröfen (Test of fire proof stamped materials for stoves). 1.50

292 Untersuchung eines radialsteines der Rheinischen Kalsteinwerke GmbH., Wülfrath (Examination of a radial brick of the Rheinische Kalsteinwerke GmbH., Wülfrath). 1.50

293-296 Untersuchung einer kugeldrehverbindung (Test of a ball joint). 1.50

297-299 Untersuchung eines magnesium-ferritsteines (Test of a magnesium ferrite stone). 1.50

300-304 Untersuchung ausländischer drahtseile (Examination of foreign cables). 1.50

305-310 Herstellung von hochwertigem cumaronharz aus tiefkühlöl, fraktion 140-180° C (Production of a high grade coumarone resin from low-cooling oil, fraction 140-180° C). 1.50

311-315 Stellungnahme zu einer wirtschaftlichkeitsberechnung des Kaiser Wilhelm-institutes Düsseldorf (Evaluation of an economy calculation of the Kaiser Wilhelm Institute, Düsseldorf). 1.50

316-319 Untersuchung von vergütetem ventilfederdraht (Test of a tempered valve spring wire). 1.50

320 Untersuchung gebrauchter gasmaskenfilter aus dem hochofenbetrieb (Examination of used gas mask filters from blast furnace plants). 1.50

321 Picture No. 321 is missing.

322-323 Untersuchung einer kranschiene (Examination of a crane rail). 1.50

324-330 Eignungsuntersuchung von pressholz für beizkörbe (Examination of the suitability of pressed wood for pickling baskets). 1.50

331-344 Prüfung von fächerscheiben als schraubensicherung (Testing of fan-shaped washers serving as lock washers). 1.50

345-348 Betriebsversuche mit dolomitsteinen von Vireux-Wolhain (Operation tests of dolmite stones from Vireux-Wolhain). 1.50

349-352 Untersuchung der stampfmasse "Pyrodur AAE" (Examination of "Pyrodur AAE" stamped material). 1.50

353-356 Untersuchung der zubringerfedern in einem heeresgerät (Examination of a follower spring in army equipment). 1.50

357-363 Untersuchung von warmverformten zündkörperrohlingen mit zu hoher härte (Examination of hot-formed blanks of ignition material showing too much hardness). 1.50

364-366 Bildung von potentialdifferenzen an inkromierten blechen (Formation of potential differences of "Inkrom" sheets). 1.50

367-368 Untersuchung von temperaturwechselveständigen magnesitsteinen (Test of magnesite stones resistant to temperature changes). 1.50

369-373 Untersuchung von magnesitsteinen auf hydratisation (Examination of magnesite stones with regard to hydration). 1.50

374-376 Prüfung eines stahlrohres auf bildung von eisenkarbonyl (Examination of a steel tube regarding the formation of iron carbonyl). 1.50

377-378 Untersuchung des inhaltes einer feuerlöschbombe (Examination of the contents of a fire extinguishing bomb). 1.50

379-382 Untersuchung von hochhitzebeständiger farbe als schutz für stahlblech (Test of a highly heat-resisting protective paint for steel plates). 1.50

383-386 Aufbereitungsversuche mit Nikopolerz (Dressing tests of Nikopol ore). 1.50

387-389 Prüfung von stahlrohren auf bildung von eisenkarbonyl (Examination of steel tubes with regard to the formation of iron carbonyl). 1.50

390-391 Untersuchungen über die einwirkungen von schwefelwasserstoff auf gusseiserne koloenringe (Tests of the influence of

hydrogen sulfide on cast iron piston rings). 1.50

392-393 Untersuchung von wanderroststäben (Test of travelling grate bars). 1.50

394-395 Untersuchung eines silika-spezialsteines (Test of a special silica brick). 1.50

396-403 Untersuchung von geschosskerndraht (Test of threads for bullet core wire). 1.50

404-410 Untersuchung von kettensonderstahl der Gutehoffnungshütte, oberhausen (Test of a special steel of the "Gutehoffnungshütte" for the production of chains). 1.50

411-412 Abdeckung der natriumnitratbäder mit Porondur (Covering of sodium nitrate baths with Porondur). 1.50

413-416 Untersuchung von fressungen in rohrgewinden (Examination of corrosion in pipe threads). 1.50

417-420 Aufbereitungsversuche mit Jacobinimanganers (Dressing tests with Jacobini manganese ores). 1.50

421-423 Untersuchung von Silika-Sondersteinen "B 908" (Examination of special "B 908" Silica bricks). 1.50

424-427 Untersuchung von durch elektrische widerstandsschweissung hergestellten kettengliedern (Test of chain links made by electric resistance welding). 1.50

428-440 Schweissversuche mit stählen höherer festigkeit (Welding tests with steels of high strength). 1.50

441-451 Untersuchung der wirkung von verstärkungslaschen auf die dauerfestigkeit von konstruktionsteilen (Examination of the effect of strengthening straps on the fatigue strength of structural parts). 1.50

452-458 Untersuchung einer alten englischen puddelstahlkette (Test of an old English puddle steel chain). 1.50

459-489 Zugversuche an schraubenbolzen mit zusätzlicher biegungsbeanspruchung (Tension test of screw bolts with additional bending stress). 3.50

490-507 Untersuchung des schmelzverhaltens von verschieden erstarrtem roheisen (Test of the behavior of differently solidified pig iron when melted). 2.00

508-513 Nach dem Becker-verfahren verchromte proben werden auf korrosionsfestigkeit untersucht (Samples, chromium-plated according to the Becker process, are tested for resistance to corrosion). 1.50

514-518 Untersuchungen über die zerfallsbeständigkeit von schlacken aus dem system CaO . Al_2O_3 . SiO_2 . MgO (Investigations of the decomposition resistance of slags of the system calcium oxide -aluminum oxide - silicon dioxide - magnesium oxide). 1.50

519-526 Untersuchung von material für stahldrähte (Test of material for steel wires). 1.50

527-550 Festigkeit von kugelgelenkkränzen für lastkraftwagenanhänger (Stability of ball and socket joint crowns for truck trailers). 2.50

551-552 Untersuchung von geschweissten ketten aus Isettstahl (Examination of welded Isett steel chains). 1.50

553-556 Ermittlung der festigkeit von stählen mit chromierter oberfläche (Determination of the strength of steels with chromed surfaces). 1.50

557-564 Schweissversuche mit N 10-stahl des Bochumer Vereins für gussstahlfabrikation AG (Welding tests with N 10 steel of the "Bochumer Verein für Gusstahlfabrikation A.G"). 1.50

565-574 Untersuchung der haftfähigkeit von gummi auf eisen (Examination of the adhesion of rubber on iron). 1.50

575-581 Untersuchung von elektrisch geschweissten ketten aus unlegiertem stahl (Examination of electrically welded chains of unalloyed steel). 1.50

582-598 Untersuchungen über das kleben von feinblechen beim warmwalzen (Examination of the sticking of fine sheets in hot rolling operations). 2.00

599-612 Versuche über ausscheidungshärtung (Precipitation hardening tests). 1.50

613-626 Untersuchung von ventilfederdrähten verschiedener herkunft (Test of valve spring wires of different origin). 1.50

627-633 Nachprüfung des als "Alternol verfahren" propagierten korrosionsschutzverfahren (Checking of the corrosion-preventing process referred to as the "Alternol" process). 1.50

634-658 Untersuchung eines probestückes aus dem schadhaften träger der Zoobrücke in Berlin (Examination of a test piece from a damaged girder of the Zoo bridge in Berlin). 2.50

659-668 Untersuchungen über die corrosion bei verstemmung von stahlrohrmuffen mit aluminium (Corrosion test on the chalking of steel pipe sockets with aluminum). 1.50

669-672 Ermittlung des einflusses des probedurchmessers auf die statischen festigkeitseigenschaften von drähten (Evaluation of the influence of the test piece diameter on the static strength of wires). 1.50

673-680 Beizversuche mit einer beizflüssigkeit der Rhenania-Ossag (Pickling tests with a "Rhenania-Ossag" pickling liquid). 1.50

681-686 Untersuchung der porenbildung beim verschweissen von elektroden der Westfälischen Union (Test of the formation of pores during welding with "Westfälische Union" electrodes). 1.50

687-694 Herstellung von kettengliedern aus chrom-kupferhaltigem stahl (Production of chain links of steel containing chromium and copper). 1.50

695-704 Biegeversuche an kupfer- und messingblechen (Bending tests with copper and brass sheets). 1.50

705-711 Versuche mit vergüteten ketten (Tests with tempered chains). 1.50

Frames	Title	Price
712-717	Herstellung von hochwertigen elektrisch geschweissten Ketten (Production of high-grade electrically welded chains).	1.50
718-730	Untersuchung der kaltverformbarkeit von stahlformguss (Examination of the cold workability of steel castings).	1.50
731-742	Vergleich der festigkeitseigenschaften von stahl und holz (Comparison of the strength of steel and wood).	1.50

PB L 73426-6. KOHLE UND EISENFORSCHUNGSINSTITUT, DORTMUND, GERMANY. Metallurgical processes and testing of metals and metal products. (FIAT Microfilm Reel L 9, Frames 1-742, abstract cards). 1938-1944. 155 p.
Price: Microfilm-$4.00 - Photostat-$11.00
Brief abstracts of the individual items on the above reel L-9, PB L 73426, prepared by FIAT personnel in Germany.

PB L 70100. KRUPP, FRIEDRICH, WERKE A. G., ESSEN, GERMANY. Metallurgical processes and standards of aircraft material. (FIAT Microfilm Reel L 45, Frames 748-1379). 1936-1942. 631 f. Price: Microfilm-$6.00 - Enlargement print-$63.00
This reel was prepared by FIAT investigators in Germany. Individual items are listed below and will be available as enlargement prints. Please include PB and frame numbers when ordering individual items. In German.

Frames	Title	Price
748-759	Lötbrüchigkeit beim weichlöten von stahl (Brittleness during soldering of steel).	$1.50
760-840	Stand der versuchemit torpedo kessel material (Survey of torpedo boiler material experiments).	8.50
841-848	Schweissdrähte (Welding rod).	1.50
849-1172	Anlasskennkurven (Tempering curves).	32.50
1173-1379	Fliegwerkstoff-normblätter (Standards for aircraft materials).	21.00

PB L 70100-6. KRUPP, FRIEDRICH, WERKE A. G., ESSEN, GERMANY. Metallurgical processes and standards of aircraft material. (FIAT Microfilm Reel L 45, Frames 748-1379, abstract cards). 1936-1942. 5 p. Price: Microfilm-$1.00 - Photostat-$1.00
Brief abstracts of the individual items on the above reel L 45, PB L 70100, prepared by FIAT personnel in Germany.

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* PB L 77713. LARGE, A. L. and others. Aluminum holloware industry in the British occupied zone of Germany. (BIOS Final Rept 1165, Item 21,31) Jul - Aug 1946. 30 p. Price: Microfilm-$1.00 - Photostat-$2.00
This document covers observation made during visits to ten aluminum holloware factories in various parts of the British Occupied Zone of Germany. The subjects covered include ingot casting and rolling, pressing, spinning, riveting, cleaning and polishing of light domestic aluminum holloware and also the heavier products required by dairies, hospitals and butchers. It contains also information on the number of employees during and after the war, production and production costs, the condition of buildings and other aspects of the industry in each plant.

PB L 73423 LISSNER, OTTO Spannungskorrosions-verhalten von Al-Zn-Mg legierungen für den flugzeubau (Tension corrosion behavior of aluminum-zinc-magnesium alloys used for the construction of airplanes). (FIAT Microfilm Reel J 250, Frames 1-62) 1943. 62 f.
Price: Microfilm-$1.50 - Enlargement Print-$6.50
Decisive for the development of airplane construction was the invention and the use of ageable duraluminum, an aluminum alloy containing copper (about 4%). Because of possible difficulties in obtaining copper, tests were made with aluminum-zinc-magnesium alloys, free from copper which were also found to be highly ageable. Since the tension-corrosion behavior is decisive for airplane material, the alloys (listed on an enclosed table), were tested especially for tension corrosion, strength, workability, and heat treatment behavior. The corrosive is important. For airplane material, normal weather conditions especially, and normal indoor air are of importance, seawater for seaplanes. Besides higher strength, it was tried to get better corrosion resistance by adding nobler metals like chromium, vanadium, manganese, copper, beryllium, zirconium, and antimony, etc., and by varying the speed of cooling and the temperature of ageing. It was shown by the tests that fractures caused by tension-corrosion occur practically without visible deformations and intercrystallinely. It could be observed that the tension-corrosion occurred only in material which had been worked cold. 33 graphs, sketches, illustrations, and tables. Some illustrations are missing. Abstract prepared by FIAT personnel in Germany.

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* PB L 79432. MCQUILLAN, A. D. and others. Survey of German research and development work on titanium. (BIOS Final Rept 1179, Item 21) n.d. 20 p. Price: Microfilm-$1.00 - Photostat-$2.00
After having visited a large number of targets, including leading universitites and technical high schools and outstanding German public and private institutions interested in research and development work on titanium, the team of British investigators prepared the present report. It contains information secured in the interrogation of leading men connected with the targets and disclosing, in particular, experiences in titanium research at the University of Göttingen, Osram G.m.b.H. in Berlin, the Technische Hochschule in Hannover and in Stuttgart and the Kaiser Wilhelm Institut in Stuttgart. Appended is a report on the production of titanium metal by Dr. Dawihl of Osram.

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* PB L 79183. MARSH, F. S. and others. Gas containers and pressure vessels. (BIOS Final Rept 1238, Item 21,31) Mar 1947. 85 p. Price: Microfilm-$2.00 - Photostat-$6.00
In all, seventeen factories were visited and a report is given for each covering production and facilities. A number of photographs, drawings and sketches are included.

PB L 70039. METALLGESELLSCHAFT A.G., BAD HOMBURG, GERMANY. Chemical and metallurgical research. (FIAT Microfilm Reel H 43, Frames 5745-6739) 1940-1941. 1023 f. Price: Microfilm-$6.00 - Enlargement print-$102.50
This FIAT microfilm reel consists of 59 reports on various chemical and metallurgical processes. The individual reports, listed below, will be available as enlargement prints only; the entire reel may be purchased in microfilm form for $6.00. Please include PB and frame numbers when ordering individual items from this microfilm reel. In German.

Frames	Title	Price
5745-5754	Absorptionswärme von SO_2 beim sulfidin-verfahren und zähigkeitsbestimmungen der ansorptionslösungen (Absorption heat of sulfur dioxide in the sulfidine process and determination of the viscosity of absorption solutions). Oct 5 - Nov 19, 1940.	$ 1.50
5755-5766	Die metallhütten Afrikas (The metal works of Africa). Oct 14, 1940.	1.50

5767-5774 Elektrophosphatierung von edelstahl (Electro-bonderizing of refined steel). Oct 28, 1940. 1.50

5775-5791 Absorption von schwefeldioxyd (Absorption of sulfur dioxide). Oct 24, 1940. 2.00

5792-5800 Entfernung und gewinnung von cyanwasserstoff aus H_2S-haltigen gasen (Elimination and production of hydrocyanic acid from gases containing hydrogen sulfide). Oct 31, 1940. 1.50

5801-5820 Verfeinerung der spektralanalyse von Feinzinklegierungen (Improvement of the spectroanalysis of high grade zinc alloys). Nov 19, 1940. 2.00

5821-5823 See abstract for frames 5745-5754. 1.50

5824-5889 Eisenpulver / gasmasse aus beizablaugen (Iron powder-gas purifying material from pickling waste liquors). Nov 20, 1940. 7.00

5890-5892 Dampfdruck von basischer aluminiumsulfatlösung (Vapor pressure of basic aluminum sulfate solution). Dec 3, 1940. 1.50

5893-5918 Das Atrament-C-verfahren (The Atrament-C-process (phosphatizing)). Dec 5, 1940. 3.00

5919-5928 Wasserenthärtung mit bariumaluminat (Water softening with barium aluminate). Dec 13, 1940. 1.50

5929-5947 Hinweise für das schleifen, polieren und ätzen unter besonderer berücksichtigung von weichen metallen (Hints on grinding, polishing, and etching with special regards to soft metals). Jan 4, 1941. 2.00

5948-5956 Durchführung der passivitätsmessung (Determination of passivity). Jan 15, 1941. 1.50

5957-5980 Metalle als austauschwerkstoff (Metal substitutes). Jan 24, 1941. 1.50

5981-5990 Dampfdruck-messungen an aluminum (Measuring the vapor pressure of aluminum). Feb 1, 1941. 1.50

5991-5995 Vorverkupferung für phosphatierung (Preliminary copper-plating for the phosphatizing process). Jan 25, 1941. 1.50

5996-6015 Kriechverhalten technischer zinklegierungen (Creep strength of technical zinc alloys). Feb 18, 1941. 2.00

6016-6033 Interkristalline korrosion aluminiumhaltiger zinklegierungen (Intercrystalline corrosion of zinc alloys containing aluminum). Feb 18, 1941. 2.00

6034-6055 Chromatschutzverfahren (Rust prevention with chromates). Feb 22, 1941. 2.50

6056-6061 Phosphorsaurefiltration (Filtration of phosphoric acid). Mar 13, 1941. 1.50

6062-6075 Thermische aluminiumherstellung II/Dampfdruck von siliciummonoxyd (Thermal aluminum production, II Vapor pressure of silicon monoxide). Mar 4, 1941. 1.50

6076-6089 Prüfung von lackierten milchkannen (Testing of enameled milk cans). Mar 10, 1941. 1.50

6090-6100 Das Antox III-verfahren als vorbehandlung für die lackierung von bandstahl (The Antox III process in the preliminary treatment of strip steel which is to be varnished). Mar 11, 1941. 1.50

6101-6107 Interkristalline korrosion von zinklegierungen. II (Intercrystalline corrosion of zinc alloys, 2nd test). Mar 15, 1941. 1.50

6108-6119 Spektralanalyse von Silumin (Spectroanalysis of Silumin). Mar 20, 1941. 1.50

6120-6129 Reduktionsgeschwindigkeit von eisenoxid und walzensinter (Rate of reduction of iron oxide and mill cinder). Mar 19, 1941. 1.50

6130-6167 A Eindampfung von sulfitablauge (Evaporation of sulfite waste liquor). Mar 28, 1941. 4.00

6168-6185 Feinzinklegierung Zn Al 1 (High grade zinc alloy "Zn Al 1"). Mar 31, 1941. 2.00

6186-6205 Entfernung von schwefelwasserstoff und schweifeldioxyd aus den endgasen einer schwefelgewinnungsanlage (Removing hydrogen sulfide and sulfur dioxide from the final gases of a sulfur production plant). Apr 24, 1941. 2.00

6206-6212 Chloratbestimmung in bonderbädern (Determination of chlorate in bonderizing baths). Apr 29, 1941. 1.50

6213-6219 Eiweissfällung mit sulfitablauge (Albumin precipitation with sulfite waste liquor). Apr 29, 1941. 1.50

6220-6239 Methode zur quantitativen beurteilung der korrosionsbeständigkeit von phosphatüberzügen (Method for the quantitative analysis of the resistance to corrosion of phosphate coatings). May 5, 1941. 2.00

6240-6246 Erfahrungen über die spektralanalyse (Experiences in spectroanalysis). May 10. 1941. 1.50

6247-6253 Fällung von kartoffeleiweiss mit sulfitablauge (Precipitation of potato albumin with sulfite waste liquor). May 23, 1941. 1.50

6254-6261 Herstellung von metallkeramischen erzeugnissen durch ziehen (Manufacture of powdered metal products by drawing). May 26, 1941. 1.50

6262-6273 Zersetzung von eisensulfat mit schwefeleisen (Decomposition

of iron sulfate with iron sulfide). Jun 6, 1941. 1.50

6271-6288 Kurzphosphatierungsverfahren auf chloratbasis (Short bonderizing by the chlorate method (using zinc phosphate and sodium chlorate)). Jun 6, 1941. 1.50

6289-6315 Entwicklung, eigenschaften und verwendung von zinkspritzgusslegierungen (Development, properties, and use of die cast zinc alloys). Jun 10, 1941. 3.00

6316-6340 Untersuchungen an Zn-Al-C-formgublegierungen (Examination of Zn-Al-C shaped cast alloys). n.d. 2.50

6341-6363 Aushärtung und textur von aluminiumlegierungen (Hardening and texture of aluminum alloys). Jun 25, 1941. 2.50

6364-6397 Die anwendung anodischer auflösung von metal-legierungen als polierverfahren (The application of anodic decomposition of metal alloys for a polishing method). Jun 26, 1941. 3.50

6398-6409 Konzentration von schwefelsäure (Concentration of sulfuric acid). Jun 26, 1941. 1.50

6410-6414 Vermeidung der schwunderscheinung von eisenpulver (Prevention of the shrinkage of iron powder). Jul 2, 1941. 1.50

6415-6438 Weiterentwicklung des Bahrmetalls (Further development of bearing metal for the German Railroads). May 27, 1941. 2.50

6439-6466 Gleiteigenschaften von lagerlegierungen auf bleibasis (Sliding properties of lead containing bearing alloys). Jun 3, 1941. 3.00

6467-6478 Prüfung der korrosionsfestigkeit der al-legierungen durch verschiedene bäder (Testing the resistance to corrosion of aluminum alloys by different kinds of baths). Jul 8, 1941. 1.50

6479-6485 Korrosionschutz von zinc und seinen legierungen (Protection against corrosion of zinc and its alloys). Jul 8, 1941. 1.50

6486-6512 Analysenmethoden für das Harrisverfahren zur raffination von werkblei (Methods of analysis for the Harris-process of refining crude lead). Jul 23, 1941. 3.00

6513-6533 Korrosionsuntersuchungen an zinkblechen in natriumchloridhaltigen losungen (Corrosion tests on zinc plates in solutions containing sodium chloride). Aug 29, 1941. 2.50

6534-6549 Zeitschaltgerät zur selbsttätigen steuerung von spektralaufnahmen (Relay switch for the automatic control of spectrographs) Aug 28, 1941. 2.00

6550-6574 Entwicklungsarbeiten an gusslegierung Silumin-Gamma vom typ Al-Si-Mg (Development tests carried out with the cast alloy Silumin-Gamma of the type Al-Si-Mg). Sep 12, 1941. 2.50

6575-6603 Ausfällung von anorganischer und organischer substanz aus buchenholzsulfitablauge (Precipitation of inorganic and organic sustances from sulfite waste liquor from beech-wood). Sep 5, 1941. 3.00

6604-6616 Kristallisation von reinem aluminiumsulfat aus eisenhaltigen aluminiumsulfatlösungen (Crystallization of pure aluminum sulfate from aluminum sulfate solutions containing iron). Sep 23, 1941. 1.50

6617-6635 Thermische zersetzung von aluminumsulfat (Thermal decomposition of aluminum sulfate). Sep 29, 1941. 2.00

6636-6670 Röstversuche unter verwendung von reinem sauerstoff (Roasting tests employing pure oxygen). Sep 26, 1941. 3.50

6671-6686 Erleichterung der spanlosen formung von phosphatschichten (Facilitating the shaping without cutting of phosphate layers). Sep 29, 1941. 2.00

6687-6706 Korrosionsuntersuchungen an zinklegierungen mit und ohne oberflächenschutz (verhalten gegen meerwasser) (Corrosion tests on zinc alloys with and without surface protection (behavior towards sea-water)). Oct 10, 1941. 2.00

6707-6720 Korrosionsuntersuchungen an zinklegierungen mit und ohne oberflächenschutz (verhalten gegen wasserdampf) (Corrosion tests on zinc alloys with and without surface protection (behavior towards steam)). Oct 10, 1941. 1.50

6721-6739 Korrosionsuntersuchungen an zinklegierungen ohne und mit oberflächenschutz (III. das verhalten gegen wassernebel und witterung) (Corrosion tests on zinc alloys with and without surface protection (III. behavior towards water-vapor and atmospheric conditions)). Oct 10, 1941. 2.00

PB L 70039-S. METALLGESELLSCHAFT A.G., BAD HOMBURG, GERMANY. Chemical and metallurgical research. (FIAT Microfilm Reel H 43, Frames 5745-6739, abstract cards). 1940-1941. 59 p. Price: Microfilm-$2.00 - Photostat-$4.00

This report consists of brief abstracts, prepared by FIAT personnel in Germany, of FIAT microfilm reel H 43 (PB 70039) abstracted above.

PB L 70038. METALLGESELLSCHAFT A.G., FRANKFURT AM MAIN, GERMANY. Metallurgical and chemical research. (FIAT Microfilm Reel H 39, Frames 1280-2408). 1937-1938. 1161 f. Price: Microfilm-$6.00 - Enlargement print-$116.80

This FIAT microfilm consists of 50 metallurgical and chemical

reports from the research laboratories of the Metallgesellschaft A.G., Frankfurt, a. Main. Prepared largely upon its own initiative but also upon commercial orders from various German industrial firms, they cover a large field of research in the metallurgy of aluminum and its alloys, natural and synthetic rubber and its substitutes, production of elemental sulfur and its compounds, bonderizing processes and an assortment of reports on the results of chemical and metallurgical investigations in other fields. Individual items are listed below and will be available as enlargement prints only; the entire reel may be purchased in microfilm form for $6.00. Please include PB and frames numbers when ordering individual items from the microfilm reel. In German.

Frames	Title	Price
1260-1308	Mechanische eigenschaften von silumin und kupfer-silumin nach verschiedener waermebehandlung (Mechanical properties of silumin and copper-silumin after various heat treatments). By E. Scheurer and W. Jung-Koenig. Aug 6, 1937.	5.00
1309-1322	Versuche mit saeureharzen aus braunkohlenoelen (Experiments with acid resins from soft coal oils). By Scholz. Aug 9, 1937.	1.50
1323-1327	Bericht ueber die untersuchung von roestgasen bei der Sté. An. G. Dumont et Frères in Schlaigneaux, Belgien (Report on tests of roast gases at the "Sté. An. G. Dumont et Frères" in Schlaigneaux, Belgium). By E. Wagener. Aug 24, 1937.	1.50
1328-1335	Bericht ueber die untersuchung der roestgase in der bleihuette Pamairoya, Novelles-Godault (Report on tests of roast gases in the lead works "Pamairoya, Novelles-Godault"). By E. Wagener. Aug 26, 1937.	1.50
1336-1348	Bericht ueber die entsulfatisierung der Parker-stoffe und bonderbaeder (Report on the removal of sulfuric acid from "Parker"- substances and bonderizing baths). By H. Ley and A. Schiefer. Aug 31, 1937.	1.50
1349-1438	Bericht ueber zinklegierungsbleche (Report on zinc alloy sheets). By W. Fahrenhorst. Sep 15, 1937.	9.00
1439-1457	Einfluss der korrosion auf die dauerbiegefestigkeit von siluminlegierungen, elektrogusse und gusseisen (Influence of the corrosion on the fatigue bending strength of silumin alloys, electro cast. and cast iron). By E. Schmid. Sep 18, 1937.	2.00
1458-1479	Versuche zur verminderung der hygroskopizitat von Hairlok-polstern (Experiments for decreasing the hygroscopicity of "Hairlok" - pads). By E. Bertsch. Sep 14, 1937.	2.50
1480-1499	Reduktion von schwefeldioxyd zu elementarschwefel (Reduction of sulfur dioxide to elemental sulfur). By G. Roesner and H. Wohlwill. Oct 8, 1937.	2.00
1500-1519	Schmelzen und giessen von bleikalzium-legierungen (Melting and casting of lead-calcium alloys). By F. von Goeler Oct 27, 1937.	1.50
1520-1537	Schwefelsaeure-kondensation in turm (Sulfuric acid condensation in the tower). By H. Wohlwill and Stahl. Oct 16, 1937.	2.00
1538-1544	Aufschlussversuch von Langelscheimer amblygonit-rueckstaenden (Decomposition experiment of Langelsheim amblygonite residues). By F. Schytil. Oct 6, 1937.	1.00
1545-1561	Einfluss von titanzusaetzen auf gefuege und eigenschaften von eutektischen und untereutektischen mangan-silumin-gusse (Influence of additions of titanium on structure and properties of eutectic and hypo-eutectic manganese-silumin gunna). By G. Guertler and W. Jung-Koenig. Nov 20, 1937.	2.00
1562-1602	Bericht ueber versuche zur herstellung gefalteter treibriemen (Report on experiments for the production of folded driving belts). By I. Schulz. Oct 9, 1937.	4.00
1603-1618	Bericht ueber versuche an pressbarren aus Lo-Ex fuer die herstellung geschmiedeter kolben (Report on experiments with pressed bars from Lo-Ex for the production of forged pistons). By E. Scheurer and E. Schulz. Sep 30, 1937.	2.00
1619-1625	Kaese katalyse und halbdirektes ammonsulfatverfahren (Wet catalysis and semi-direct ammonium sulfate process). By E. Stahl. Dec 8, 1937.	1.00
1626-1664	Eigenschaften und verhalten der legierungen Lo-Ex in gekneetetem zustand (Properties and behavior of Lo-Ex alloys in a kneaded state). By W. Jung-Koenig. Dec 20, 1937.	4.00
1665-1694	Bericht ueber laufversuche an lagermetallaehnlichen legierungen (Report on running tests of alloys similar to bearing metal for German railways). By F. v. Goeler and E. Weber. Dec 30, 1937.	3.00
1695-1730	Untersuchungen ueber die aushaertungsvorgaenge in binaeren aluminium-kupfer-legierungen (Experiments of hardening processes in binary aluminum-copper alloys). By G. Wassermann. Jan 4, 1938.	4.00
1731-1743	Anmisch- und schwelversuche von Graebroker saeureharzen mit braunkohlenstaub (Mixing and carbonizing experiments of Graebrook acid resins with soft coal dust). By Scholz. Dec 24, 1937.	1.00
1744-1762	Satco lagermetall. Sammelbericht ("Satco" bearing metal. Summary report). By E. Koch and E. Schmid. Feb 10, 1938.	1.50

1763-1767 Aufarbeitung des schwefelerzes von Kociburin (Processing Kociburin sulfur ore). By E. Stahl. Jan 24, 1938. 1.50

1768-1774 Laboratoriumsversuche zur aufarbeitung von emblygonitrueckstaenden und aluminiumhaltigen kugelmuehlenstaub auf trinatriumphosphat und tonerde (Laboratory experiments on the processing emblygonite residues and acid dust of ball mills containing aluminum to trisodium phosphate and alumina). By Schytil Jan 26, 1938. 1.50

1775-1780 Verarbeitung von emblygonitrueckstaenden und Bitterfelder-kugelmuehlenstaeben (Processing of emblygonite residues and Bitterfeld ball mill dusts). By Schytil. Feb 2, 1938. 1.50

1781-1799 Laboratoriumsversuch zur entfaerbung von schwarzer kontaktschwefelsaeure mit ozon (Laboratory experiment on the bleaching of catalytically produced black sulfuric acid with ozone). By Schytil. Feb 1, 1939. 2.00

1800-1820 Untersuchungen ueber die dauerfestigkeit von legierungen der silumingruppe durch zusatz von titan (Experiments on the fatigue strength of alloys of the silumin group by addition of titanium). By G. Guerler and E. Schmid. Feb 21, 1938. 2.50

1821-1844 Aufarbeitung von sulfitlaugen (Processing sulfite waste liquors). By H. Ley and E. Schnitzspahn. Jan 24, 1938. 2.50

1845-1855 Rostschutzoel als nachbehandlung fuer phosphatschichten (Rust preventing oil for aftertreating phosphate layers). By Schuster. Feb 21, 1938. 1.50

1856-1891 Schwefel aus schwefelwasserstoff auf nassem wege (Sulfur from hydrogen sulfide by the wet process). By C.F. v. Girsewald. and E. Nichels. Mar 10, 1938. 4.00

1892-1902 Verfluechtigende roestung von antimonerzen (Volatilizing roasting of antimony ores). By H. Ley and E. Wegener. Mar 18, 1938. 1.50

1903-1909 Arsenentfernung aus bleihaltigen flugstaeuben (Removal of arsenic from lead containing flue dusts). By Roesner, Ley, and Kierig. Mar 15, 1938. 1.50

1910-1913 Arsen-entfernung aus bleihaltigem Otavi-schlamm (Removal of arsenic from lead containing Otavi-sludge). By Roesner and Kierig. Mar 15, 1938. 1.50

1914-1938 Nachbehandlung von phosphatschichten mit chromsaeure (After treatment of phosphate layers with chromic acid). By L. Schuster. Mar 16, 1938. 1.50

1939-1999 Versuche ueber das verhalten von Naftolen in kautschukmischungen (Experiments on the behavior of "Naftolen" in rubber mixtures). By H. Wiek. Feb 21, 1938. 7.50

2000-2065 Elementarschwefel aus schwefeldioxyd (Elementary sulfur from sulfur dioxide). By C. Roesner and H. Wohlwill. Mar 16, 1938. 7.00

2066-2124 Versuche zur aufarbeitung von centrifugenserum (Experiments on the processing of centrifuged serum). By H. Wiek. Feb 22, 1938. 6.00

2125-2140 Reaktionen bei der entfaerbung von schwarzer kontaktschwefelsaeure (Reactions during the bleaching of catalytically produced black sulfuric acid). By Schytil and E. Wegener. Mar 17, 1938. 2.00

2141-2158 Vergleichende aufrahmversuche mit Malaya- und Sumatra-latex (comparative experiments of skimming with Malaya- and Sumatra-latices). By H.D. Graf v. Schweinitz. Apr 14, 1938. 2.00

2159-2175 Analytische bestimmung des crepegehaltes crepearmer kautschukdispersionen (Analytic determination of the crepe content of rubber dispersions poor in crepe). By H.D. Graf v. Schweinitz. Jun 1, 1938. 2.00

2176-2199 Bericht ueber aluminiumgusslegierungen (Report on aluminum cast alloys). By G. Guertler. n.d. 2.50

2200-2226
2342-2347 Dimethylanilin als absorptionsfluessigkeit fuer schwefeldioxyd (Dimethylaniline as absorption liquid for sulfur dioxide). By H. Wohlwill. Apr 27, Jun 14, 1938. 3.00

2227-2271 Verfahren zur erzeugung feinkristalliner phosphatschichten (Process for producing finely crystalline phosphate layers). By L. Schuster. May 10, 1938. 4.50

2272-2290 Apparatur zur bestimmung von gasen in aluminiumguss (Apparatus for the determination of gases in cast aluminum). By E. Scheuer and A. Mueller. May 18, 1938. 2.00

2291-2310 Warmenthaertung von bahnmetall und aehnlichen legierungen (Annealing of bearing metal for German railways and similar alloys). By E. Koch. May 18, 1938. 2.00

2311-2331 Bericht ueber die spektralanalyse von Al-Cu-Mg-legierungen (Report on the spectral analysis of Al-Cu-Mg alloys). By F. Wolbank. May 31, 1938. 2.50

2332-2336 Bericht ueber die eignung von arsenhaltigen kiesen zur herstellung von zellstoff-laugen (Report on the suitability of pyrites containing arsenic for the production of cellulose liquors). By Ley and Schytil. May 25, 1938. 1.50

2336-2341 SO_2-absorption in xylidin-wassergemischen in abwesenheit von soda (SO_2-absorption in xylidine-water mixtures in absence of soda). By H. Wohlwill and G. Roesner. Jun 13, 1938. 1.50

2343-2347 See frames 2200-2226. 1.50

2348-2354 Vergleichende daten ueber die absorption von schwefeldioxyd in organischen basen (Comparative data on the absorption of sulfur dioxide in organic bases). By M. Wohlwill. Jun 15, 1938. 1.50

2355-2374 Rueckgewinnung von wertvollen metallen aus schrott von plattierten eisenblechen (Recovery of valuable metals from scrap metal of plated sheet iron). By M. Wohlwill. Jun 16, 1938. 2.00

2375-2388
2389-2408 Gewinnung von elementarschwefel aus schwefelwasserstoffhaltigen gasen (Production of elementary sulfur from gases containing hydrogen sulfide). By M. Wohlwill. Jun 18, 1938. 3.50

PB L 70035-8. METALLGESELLSCHAFT A.G., FRANKFURT AM MAIN, GERMANY. Metallurgical and chemical research. (FIAT Microfilm Reel H 39, Frames 1260-2408, abstract cards). 1937-1938. 51 p. Price: Microfilm-$2.00 - Photostat-$4.00
This report consists of brief abstracts prepared by German FIAT personnel in Germany, of FIAT microfilm Reel H 39 (PB 70035) described above.

*PB L 78246. MOSTON, J. C. German instrument wire industry. (BIOS Final Rept 1196, Item 21,31) Jan - Mar 1946. 43 p. Price: Microfilm-$1.00 - Photostat-$3.00
In all, seven manufacturing plants were visited in order to obtain information concerning the design and manufacture of instrument wire. Section two of this report contains general observations and appendices give details of products and persons interviewed at the various plants. Four sketches of machinery used are also included.

* PB L 78241. RIGBY, J. and others. German ferrous wire industry. (BIOS Final Rept 1214, Item 21, 31) Mar 1947. 121 p. Price: Microfilm-$3.00 - Photostat-$9.00
This document is a report of a British mission which was engaged in the examination of recent developments and present practice in Germany on the design, methods of manufacture and material used for all types of ferrous wire production. It covers visits to 50 German firms engaged in ferrous wire production in the British, US and French occupied zones and deals with the processes observed from the delivery of rods to the finished product. Drawings and photographs included.

* PB L 78647. SHEPHERD, R. C. and MARSLAND, W. R. Engineering grey iron. (BIOS Final Rept 1237, Item 21, 31) Jan 1946. 149 p. Price: Microfilm-$3.00 - Photostat-$10.00
This document reports on visits to or interviews with leading men of 17 large German gray iron foundries concerning German methods and production rates, foundry equipment and such miscellaneous matters as German foundry executive and production personnel, operating costs and allied subjects. Drawings and photographs included.

PB L 70027. VEREINIGTE ALUMINIUMWERKE, A.G., LAUSITZ, GERMANY. Aluminum production. (FIAT Microfilm Reel K 8, Frames 4463-5440). 1929-1944. 1023 f.
Price: Microfilm-$6.00 - Enlargement print-$102.00
This FIAT microfilm reel consists of 56 reports on aluminum plants and their equipment, and the production of aluminum and aluminum alloys. The individual reports listed below, will be available as enlargement prints only; the entire reel may be purchased in microfilm form for $6.00. Please include PB and frame numbers when ordering individual items from this reel. In German.

Frames	Title	Price
4463-4474	Monatliche betriebsberichte der kryolithfabrik Toeging Januar bis Dezember 1942 (Monthly plant reports of the cryolite factory "Toeging" January to December 1942).	$1.50
4475-4486	Monatliche betriebsberichte der gaswaschanlage der Al-fabrik Toeging Januar bis Dezember 1942 (Monthly reports regarding the gas purification installation of the aluminum factory "Toeging". January to December 1942).	1.50
4487-4496	Monatliche betriebsberichte der aufbereitung von abraum in der Al-fabrik Toeging Januar bis Dezember 1942 (Monthly plant reports of the dressing of waste material in the aluminum factory "Toeging" January to December 1942).	1.50
4497-4534	Betriebsberichte 1942 der aluminiumfabrik Mattigwerk (Plant reports 1942 of the aluminum factory "Mattigwerk").	4.00
4535-4542	Zusatz-betriebsberichte Al-fabrik Mattigwerk, Januar bis Juni 1942 (Additional plant reports, aluminum factory "Mattigwerk", January till June 1942).	1.50
4543-4554	Aufbau und inbetriebsetzung neuer elektrolyseoefen in der aluminiumfabrik Mattigwerk (Construction and putting in operation of new electrolysis furnaces in the aluminum factory "Mattigwerk").	1.50
4555-4564	Zusatz-betriebsberichte Al-fabrik Mattigwerk, July bis Dezember 1942 (Additional plant reports of the aluminum factory "Mattigwerk" July till December 1942).	1.50
4565-4576	Berichte der Al-fabrik Mattigwerk (Reports of the aluminum factory "Mattigwerk" regarding the production of crude aluminum 1942.	1.50
4577-4599	Betriebsberichte der bodenfabrik des Mattigwerkes (Operating reports of the bottom factory of the "Mattigwerk").	2.50
4600-4622	Betriebsberichte der wasch- und kryolithanlage des Mattigwerkes Januar bis Dezember 1942 (Operating reports of the washing -and cryolite plant of the "Mattigwerk", January till December 1942).	2.50
4623-4628	Die destillation von aluminium aus vorlegierung im vakuum (Distilling of aluminum from key alloys in a vacuum). Feb 3, 1937.	1.50
4629-4643	Die messung der polarisationsspannung an aluminium-elektrolyseoefen (Measuring of the polarization potential with aluminum electrolysis furnaces). Jun 11, 1942.	1.50
4644-4665	Die messung der polarisationsspannung an aluminium-elektrolyseoefen (Measuring of the polarization potential of aluminum electrolysis furnaces). Mar 8, 1944.	2.50
4666-4672	Aufschliessbarkeit von siliziumhaltigen Al-vorlegierungen nach dem seigerungs- und windsichtungsverfahren (Capacity	

for decomposition of aluminum key alloy containing silicon, according to the segregation and air sifting process). Mar 6, 1940. 1.50

4673-4681 Versuche zur reduktion von magnesiumoxyd im induktionsofen unter vakuum (Experiments for the reduction of magnesium oxide in the induction furnace in vacuum). Nov 1936. 1.50

4682-4687 Aufarbeitung von silisiumhaltigen Al-legierungen mit hilfe der windsichtung (Processing of aluminum alloys, containing silicon, by means of the air separation method). Feb 12, 1940. 1.50

4688-4697 Physikalische chemie der grenzflaechenvorgaenge (Physical chemistry of the boundary surfaces processes). Jun 23, 1938. 1.50

4698-4703 Destillations-versuche mit aluminium aus vorlegierung im vakuum (Distilling experiments with aluminum from key alloys in a vacuum). Jan 6, 1939. 1.50

4704-4711 Gewinnung einer angenaehert eutektischen siluminlegierung unter gleichzeitiger gewinnung hochprozentigen silisums aus einer HV-legierung (Production of an approximately eutectic silumin alloy with simultaneous production of silicon of high percentage from an HV-alloy). Mar 8, 1939. 1.50

4712-4722 Die veraenderungen im ofenboden bei der electrolyse und die messung von bodenspannungen (Changes in the furnace bottom during electrolysis and measuring of floor voltages). Jan 22, 1942. 1.50

4723-4724 Untersuchung der isolationsfestigkeit von isolierpappe (Examination of the insulating resistance of insulating cardboard). Oct 22, 1940. 1.50

4725-4736 Spannungsverluste an Soederbert-elektrolyseoefen (Voltage losses with "Soederberg"-electrolysis furnaces). Nov 1943. 1.50

4737 This frame is missing.

4738-4743 Die isolation der fahr-schienen der tonerdebahn ofenhaus (Insulation of the rails of the alumina railway of the furnace building). Oct 25, 1941. 1.50

4744 Pruefung der gleichstrom-messinstrumente an elektrolyseoefen (Testing of direct current measuring instruments on electrolysis furnaces). Jul 16, 1940. 1.50

4745-4752 Ungleichmaessigkeit des kupfergehaltes in barren aus Al-Cu-legierung (Lack of homogeneity of the copper content of ingots of Al-Cu-alloy). Aug 27, 1929. 1.50

4753-4805 Untersuchung von soederbergmassen (Testing of "Soederberg" materials). Feb 15, 1940. 5.50

4806-4820 Die oxidationsbestaendigkeit von anodenkohlen in abhaengigkeit von deren vanadingehalt (The oxidation resistance of anode carbons depending on their vanadium content). Nov 18, 1938. 1.50

4821-4848 Versuchsbericht ueber die oxydationsbestaendigkeit vanadinhaltiger, aschearmer anoden (Experiment report concerning the oxidation resistance of anodes, containing vanadium, and poor in ashes). Nov 18, 1938. 3.00

4849-4854 Untersuchung von anoden-koks fuer Al-electrolyseoefen (Testing of anode coke for Al-electrolysis furnaces). Jul 25, 1938. 1.50

4855-4869 Der spannungsabfall-nippel/anode an aluminium-elektrolyseoefen (Voltage drop-nippel to anode in aluminum electrolysis furnaces). Mar 4, 1939. 1.50

4870-4872 Untersuchung der bodenkohlen von aluminium-elektrolyseoefen (Testing bottom carbons of aluminum electrolysis furnaces). Oct 3, 1941. 1.50

4873-4893 Untersuchung einiger anoden mit extrem hohem spezifischem widerstand (Test of some anodes with extremely high specific resistance). Jan 23, 1941. 2.50

4894-4904 Die bedeutung eines aluminiumchlorid-zusatzes fuer die herstellung von fertiggepressten blockanoden (Importance of an aluminum chloride addition for the production of finish pressed block anodes). Dec 12, 1942. 1.50

4905-4918 Aufarbeitung von giessereikrastsestaub fuer den einsatz in electrolyseoefen (Processing of foundry-waste metal dust in electrolysis furnaces). May 7, 1942. 1.50

4919-4925 Bedeutung der physikalischen beschaffenheit von kohleelektroden fuer deren guete (Importance of the physical properties of carbon electrodes with regard to their quality). Jan 6, 1942. 1.50

4926-4934 Praezise erfassung des spezif. kilowattstunden-verbrauchs bei der aluminiumelektrolyse (Accurate checking of the specific kilowatt hour consumption of aluminum electrolysis). Jan 5, 1940. 1.50

4935-4940 Ermittlung des gleichrichterwirkungsgrades in aluminium-elektrolyseanlagen (Ascertaining the rectifier efficiency in aluminum electrolysis installations). Oct 18, 1939. 1.50

4941-4961 Bericht ueber sowjetrussische elektrolyseanlagen zur aluminiumgewinnung (Report concerning Soviet Russian electrolysis plants for aluminum production). Jun 18, 1943. 2.50

4962-4976 Einfluss des bindemittels auf die eigenschaften von Soederbergmassen (Influence of the binding agent on the qualities of "Soederberg" materials). Jul 20, 1942. 1.50

4977-4979 Bestimmung des wirtschaftlichen optimums fuer den querschnitt von aluminiumleitungsschienen (Determination of the economically most efficient dimensions of the cross section of aluminum busbars). Jul 2, 1941. 1.50

4980-4981 Ueber den spannungsabfall aluminium/kohle bei elektrodenanschluessen (The voltage drop-aluminum to carbon in electrode connections). Apr 15, 1942. 1.50

4982-4992 Aktennotis ueber kontierungsfragen (File note concerning accounting problems (VAW)). Feb 21, 1938. 1.50

4993 Ueber den elektrischen unfallschutz in elektrolyse-ofenhaeusern (Protection against electric accidents in electrolysis furnace buildings). Oct 23, 1940. 1.50

4994-5097 Messgeraete der firma Bopp und Reuther, G.M.B.H. Mannheim-Waldhof, fuer die betriebskontrolle (Measuring apparatus of the firm Bopp and Reuther G.M.B.H. Mannheim-Waldhof concerning plant supervision). 1.50

5098-5139 Bestimmung der polarisationsspannung von aluminium-elektrolysoeofen (Determination of the polarization potential of aluminum electrolysis furnaces). Nov 3, 1931. 4.50

5140-5145 Polarisationsmessungen an raffinationsoefen. Aus der "Zeitschrift fuer Elektrochemie", band 48, 2.9.42 (Polarization measurements on refining furnaces. From the "Zeitschrift fuer Elektrochemie, vol.48. Sept 2, 1942. 1.50

5146-5203 Gefuegeuntersuchungen an aluminiumschweissnaehten (Investigations concerning the structure of aluminum welded joints). 6.00

5204-5236 Verwertbarkeit der fluorhaltigen abgase von soederberg-aluminium-elektrolysoeofen (Utilization of the waste gases, containing fluoride, from "Soederberg" aluminum electrolysis furnaces). Aug 26, 1938. 3.50

5237-5290 Korrosionsversuche mit aluminium (Corrosion experiments with aluminum). 5.50

5291-5305 Ueber neue verfahrensmoeglichkeiten der elektrothermischen aluminiumerzeugung (New methods of electrothermal aluminum production). Jan 6, 1940. 1.50

5306-5320 Ueber die dichte der geschmolzenen fluorsalze (The density of melted fluorides). Jan 1939. 1.50

5321-5355 Neuer deutungsversuch der vorgaenge bei der aluminium-elektrolyse (New interpretation of the processes of aluminum electrolysis). May 1940. 3.50

5356-5374 Ueber anodengasuntersuchungen an elektrolysoeofen (Anode gas investigations with electrolysis furnaces). Apr 1937. 2.00

5375-5425 Prospektblaetter der Fa.Heraeus Vakuum-Schmelze A.G.Hanau (Prospectus of the firm "Heraeus Vacuum-Schmelze A.G. Hanau"). 1937. 5.50

5426-5432 Erfahrungen mit fluessigem einsatz von rohmetall in aluminium schmelzoefen (Experiences with a liquid charge of crude metal in aluminum melting furnaces). Jan 28, 1942. 1.50

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5434-5440 Betriebsordnung der Vereinigten Aluminium Werke A. G. (Operating instructions of the "Vereinigte Aluminium Werke A. G"). 1.50

PB L 70027-6. VEREINIGTE ALUMINIUMWERKE, A.G., LAUSITZ, GERMANY. Aluminum production. (FIAT Microfilm Reel K-8, Frames 4863-5440, abstract cards). 1929-1944. 56 p. Price: Microfilm-$2.00 - Photostat-$4.00
This report consists of brief abstracts prepared by FIAT personnel in Germany, of FIAT microfilm reel K 8 (PB L 70027) abstracted above.

* PB L 78245. WILLIAMSON, F. E. and others. German flame hardening of armour plate and flame cutting and flame hardening of sprockets for armoured fighting vehicles. (BIOS Final Rept 1263, Item 18, 21) Apr 1947. 84 p.
Price: Microfilm-$2.00 - Photostat-$6.00
This volume contains the findings of a British mission investigating German flame hardening methods of armor plate and flame cutting and flame hardening of sprockets for armored fighting vehicles made as a results of investigation of turrets and hulls of tanks during and visits to 10 important German and Austrian steel works after the war. In the course of these investigations special attention was paid also to surface hardening of armored plate. Tables, drawings and photographs included.

ORDNANCE AND ACCESSORIES

* PB L 77696. ASHWORTH, D. M. and others. German incendiary bomb manufacture and development, German explosive, propellant and cellulose derivative manufacture. (BIOS Final Rept 539, Item 2) Feb - Mar 1946. 95 p.
Price: Microfilm-$2.00 - Photostat-$7.00
This document describes the findings of a British team of investigators made during visits to and interrogations with leaders of German factories in this field, especially with regard to an improved German 2 kg incendiary bomb and German 1 kg magnesium bomb. Drawings and data tables included.

* PB L 78215. COLLINS, G. H. H. Investigation into the inspection organization of the German armament industry. (BIOS Final Rept 1132, Item 28) Mar 1947. 9 p.
Price: Microfilm-$1.00 - Photostat-$1.00
This report describes the inspection organization of the German armament industry based on information secured in interviews with inspection personnel of five of the largest armament manufacturing concerns in Germany.

* PB L 77707. COXON, W. F. and others. German pyrotechnic industry: Some factories visited. (BIOS Final Rept 461, Item 17) Nov 1945. 9 p. Price: Microfilm-$1.00 - Photostat-$1.00
Report on the visit to five of the less important German pyrotechnical factories describing their post-war condition, manufacturing processes, principal products, and composition of pyrotechnic mixtures used in such articles as signal lights, rockets, smoke pots and smoke grenades, thunder flashes for training purposes, etc. Photographs included.

* PB L 77687. NORMAN, H. W. and others. Rheinmetal Borsig A. G., Unterluss. (BIOS Final Rept 309, Item 2) Dec 1945. 6 p. Price: Microfilm-$1.00 - Photostat-$1.00
This final report covers interviews with directors of this experimental production and aircraft gun testing plant during which the following subjects were discussed: 1) Multi-wire helical springs; 2) Ring springs; and 3) Fin-stabilized projects.

PB L 79455. U.S. WAR DEPT. Generator, hydrogen, high pressure, portable, ESRI (for charging portable flame throwers) (Tech Manual 3-374) Jul 1945. 48 p.
Price: Microfilm-$2.00 - Photostat-$4.00
This document contains the description, operating, servicing and maintenance instructions for the Hydrogen Generator ESRI for charging portable flame throwers. Drawings and photographs included.

TEXTILES AND TEXTILE PRODUCTS

PB W 77269. BARTELL, FLOYD E. Fabrics research. Contract OEMsr-252. Annual report. Abstract. Nov 1943. 1 p. Price: Microfilm-$1.00 - Photostat-$1.00
The results of a study of the development of a highly water-resistant, air permeable fabric are presented in this abstract.

PB W 77256. BARTELL, FLOYD E. Fabrics research. Progress reports. Apr 1, 1943 - Dec 1, 1945. Contract No. OEMsr-252. Apr 1943 - Dec 1945. 18 p. Price: Microfilm-$1.00 - Photostat-$2.00
Progress reports in the development of water repellent and water resistant impregnation of fabrics and the production of a bonded aerogel laminated fabric (aerobond).

* PB L 77709. GILLESPY, R. A. Report on machinery for the manufacture of viscose and spinning of continuous filament and staple fibre yarn in Germany. (BIOS Final Rept 484, Item 31) Oct 1945. 31 p. Price: Microfilm-$1.00 - Photostat-$3.00
This report contains the description of machinery for the manufacture of viscose and spinning of continuous filament and staple fiber yarn used in eight large German factories. Drawings and photographs included.

* PB L 77730. LIVESEY, H. and FLETCHER, E. W. Materials and machines used in the manufacture of cellulose acetate rayon. (BIOS Final Rept 1133, Item 22,31) Sep-Oct 1946. 74 p. Price: Microfilm-$2.00 - Photostat-$5.00
This document contains the results of a study by a team of British investigators of materials and machines used in the manufacture of cellulose acetate rayon in Germany. Based on interrogation of German leaders in this field and visits to a number of plants. It deals especially with the manufacture of ceramic thread guides, roller bearings inserts, gear pumps used in rayon industry, zicronal tubing and welding rods for bronze vessels for the manufacture of cellulose acetate. In addition, processes covering the German manufacture of cellulose acetate and cellulose acetate rayon are fully described. Drawings included.

* PB L 78648. MCCLAREN, T. H. and others. Report on linen industry in Germany. (BIOS Final Rept 1218, Item 22, 31) Mar 1947. 184 p. Price: Microfilm-$4.00 - Photostat-$13.00
This is a complete and final report. Part I. General review covering 41 plants visited and investigated. Part II covers the following subjects: Flax production investigated in three plants; Flockenbast ("cottonized" flax) investigated in four plants; Spinning, investigated in seven plants; Weaving, investigated in fourteen plants; and Bleaching, dyeing and finishing investigated in thirteen plants. Appendix I contains sample analysis of flockenbast with table and illustration, and Appendix II contains analyses of samples of yarn, thread and cloth with tables. Eleven illustrations are also included.

PB L 78633. MORNINGSTAR, OTTO. Cold flexibility test for impermeable materials. (Mass Institute of Technology Memo Rept 53) Dec 1943. 56 p. Price: Microfilm-$2.00 - Photostat-$4.00
The object of the work described in this report was to develop suitable apparatus for evaluating the serviceability of impermeable fabrics at low temperatures. It was planned that the method developed should be suitable for incorporation in U.S. Army specification No. 6-269C, "Cloth, Impermeable". Several types of impulse crack testers were evaluated and were found unsuitable. Test results obtained on impermeable fabrics with the wear tester MIT-E3 at - 10°F, +2°F. correlated satisfactorily with man wearing tests on impermeable decontamination suits made from the same fabric and it was concluded that wear tester, MIT-E2 is suitable for predicting the serviceability of impermeable fabrics at low temperatures. Tables, drawings and photographs are included.

PB L 78637. POCKEL, IRVING and MORNINGSTAR, OTTO. A study of methods suitable for the evaluation of the stiffness and resilience of coated and impregnated gasproof cloth. With Appendix I. Graphs no. 1-276. (Mass Institute of Technology Memo Rept 30) Apr 1943. 310 p. Price: Microfilm-$7.00 - Photostat-$21.00
The object of the work described in this report was to develop a reliable method for the determination of the relative stiffness and resilience of coated and impregnated gasproof cloth. Four methods for the determination of the relative stiffness and resiliency of coated fabrics have been considered. The Ring Loop method proved to be the most reliable method. The changes of stiffness and resilience of coated fabrics with respect to temperature were evaluated by the Ring Loop method at various temperatures from 70°F to - 40°F. Drawings and photographs are included. Appendix I presents graphical data. For Appendix II, see PB L 78636.

PB L 78636. POCKEL, IRVING and MORNINGSTAR, OTTO A study of methods suitable for the evaluation of the stiffness and resilience of coated and impregnated gasproof cloth. Appendix II. Tables no. 1-284. Mass Institute of Technology. (Memo Rept 30, Appendix II) Apr 1943. 307 p. Price: Microfilm-$7.00 - Photostat-$21.00
These tables present the findings for the study described in PB L 78637.

PB L 78693. RAMSBOTTOM, J. E. Fireproofing of fabrics. (British Commonwealth Scientific Office Rept 109-B1-2) 1947. 124 p. Price: Microfilm-$3.00 - Photostat-$9.00
In the second report of the Fabrics Research Committee issued in 1930, an account was given of experimental work on fireproofing of fabric which had been in progress at the Royal Aircraft Est. This present report carries these investigations further and an attempt has been made to give a comprehensive summary of the work from its inception and to include the latest information available. Although the work has been concerned mainly with fabric it has been thought desirable to include the results of the investigations on the fireproofing of Kapok and fireproof finishes for aeroplanes, which are closely related problems. The report contains a number of tables and graphs as well as an Appendix giving a complete list of fireproofing processes.

TRANSPORTATION EQUIPMENT

LAND TRANSPORTATION

* PB L 78212. BRETALL, A. F. and WICKS, J. W. Report on "German public transport vehicles". (BIOS Final Rept 902, Item 19) Apr 1947. 90 p. Price: Microfilm-$2.00 - Photostat-$6.00
This document is a survey of German transportation systems in several large cities, the type of vehicles used, their manufacture and maintenance, and the manufacture of breakdown and workshop equipment. It contains a detailed description of streetcars, trolleybuses, buses, and trailers used and the conditions of public transportation systems in Germany at the time of the report.

PB L 79608. U.S. WAR DEPT. Power plant, clutch, and electrical system for basic vehicles - 3/4 ton 4 x 4 and 1½ ton 6 x 6 Dodge. (Tech Manual 9-1808A) Sep 1943. 290 p. Available from Supt of Docs. 60¢.
This technical manual contains the description, servicing, operation and maintenance instructions for the power plant, clutch and electrical system for these vehicles. Drawings, photographs, partlists and wiring diagrams included.

PB L 79452. U.S. WAR DEPT. Swinging boom crane truck M1. (Tech Manual 3-256) May 1945. 82 p.
Price: Microfilm-$2.00 - Photostat-$6.00
This manual contains a general description and maintenance and operating instructions for Swinging Boom Crane Truck M1. Drawings, photographs and parts lists included.

* PB L 79469. WILCOX, D. M. Research and development of snow-moving and snow-crossing vehicles in Germany. (BIOS Final Rept 647, Item 19) n.d. 7 p. Price: Microfilm-$1.00 - Photostat-$1.00
This report contains a summary of the research and development of snow ploughs and snow crossing vehicles of the wheeled and tracked type and of propeller driven sleds in Germany based on interviews with men principally responsible for progress in this field.

MARINE TRANSPORTATION

PB L 77821. GREAT BRITAIN. ADMIRALTY SHIP WELDING COMMITTEE. The application of electric arc welding to ship construction. Revised edition. June, 1946. (British Commonwealth Scientific Office Rept 66-B20-97) 1946. 30 p. Price: Microfilm-$1.00 - Photostat-$2.00
This report concerns the factors to which special consideration should be given in the welding of ships' structures, such as design, edge preparation, welding procedure, assembly and welding sequence, workmanship and supervision, and automatic welding. Diagrams and drawings are included.

* PB L 79179. HOGGER, H. D. Developments in the design of propulsion units of German Naval vessels. (CIOS File XXXIII-68, Item 29) May 1947. 35 p. Price: Microfilm-$1.00 - Photostat-$3.00
This report is based on information secured through visits to the Germania Werke, Kiel; the Deutsche Werke, Kiel; Blohm and Voss, Hamburg; Wagodag, Hamburg and Motorenwerke, Hamburg as well as interrogation of high navy officers and other experts on the development of designs of propulsion units of German naval vessels. It covers steam turbine and boiler materials, the design of steam pipes, Diesel motors for surface craft, etc.. Drawings included.

PB L 79210. KRANZFELDER, E. The Naval boiler and turbine laboratory. Apr 1947. 52 p. Price: Microfilm-$2.00 - Photostat-$4.00
This document describes the Naval boiler and turbine laboratory maintained by the US Bureau of Ships located in the Philadelphia Naval Shipyard, and its test equipment. Many photographs included.

PB L 74226. "SUPERIOR" marine diesel engine type LP. (Bur Ships Navy Dept Microfilm Reel D 7138) n. d. 141 f. Price: Microfilm-$2.25 - Enlargement print-$14.50
This reel contains the instruction manual, including care and operation and parts list for the six-cylinder "Superior" marine Diesel engine type LP, bore 12½", stroke 16½", manufactured by the National Supply Company, Springfield, Ohio. The manual is designed to familiarize the engine operator with the design and construction of the engine so that he may understand the functions of the various parts and know how to care for them.

PB L 74227. "SUPERIOR" marine diesel engine type KRD. (Bur Ships Navy Dept Microfilm Reel D 7166) n. d. 111 f. Price: Microfilm-$2.00 - Enlargement print-$11.25
This reel contains the instruction manual, including care and operation, parts and price list for the six-cylinder "Superior" marine Diesel engine type KRD, bore 12", stroke 15", manufactured by the National Supply Company, Springfield, Ohio. The manual is designed to familiarize the engine operator with the design and the construction of the engine so that he may understand the function of the various parts and know how to take care of them.

WATER SUPPLY, SANITATION AND PUBLIC HEALTH

* PB L 79437. AKEROYD, E. I. Investigation of German water treatment industry equipment and methods of treatment. (BIOS Final Rept 1169, Item 22, 31) n.d. 69 p.
Price: Microfilm-$2.00 - Photostat-$5.00
This report describes various methods of water purification and water softening, equipment for water treatment and methods of treatment, the information on which was secured by a team of British investigators who visited 12 large German firms manufacturing and using such equipment. The appendices to the report contain a summary of I. G. Farben patent applications along this line filed from 1940 to 1944, the description of a method for the determination of dissolved oxygen in feed water containing sodium sulfite, a new method for water hardness determination by the titan tallow process and a method for the determination of hardness in soft water, especially condensate.

* PB M 78208. ORNSEN, G. M. The Niers sewage disposal process. (FIAT Final Rept 1005) Apr 1947. 35 p.
Price: Microfilm-$1.00 - Photostat-$3.00, Limited supply also $1.00
The Niers Sewage Disposal Process as practised in its present stage of evolution at the sewage disposal plant of the Kierverband at Neersen, near Viersen, Rhineland, is described in this report, which is based on a study of war-time literature, a thorough field investigation, and exhaustive discussions with authorities on the subject. The conditions to be met were to purify city sewage and industrial effluents to the extent that they could be discharged without detriment into a receiving stream. This stream had an average rate of flow just about equalling the rate of flow of sewage on a per capita equivalent basis. This would correspond to a dilution of only 1:1. A bibliography, plant layout, flow sheet, drawings, and photographs are included.

MISCELLANEOUS

PB L 18848. BRITISH INTELLIGENCE OBJECTIVES SUB-COMMITTEE. Preliminary reports list no. 138. Oct-Nov 1945. 10 p. Price: Microfilm-50¢ - Photostat-$1.00

PB L 22182. BRITISH INTELLIGENCE OBJECTIVES SUB-COMMITTEE. Preliminary reports list no. 153. Dec 1945 - Jan 1946. 11 p. Price: Microfilm-50¢ - Photostat-$1.00
Includes BIOS interim investigation reports 557, 501/1, 15/1, 290/3, 485/1, 661, 720, 569, 655, and 493/1.

Miscellaneous (contd)

PB L 22183. BRITISH INTELLIGENCE OBJECTIVES SUB-COMMITTEE. Preliminary reports list no. 154. Nov 1945 - Jan 1946. 12 p. Price: Microfilm- 50¢ - Photostat-$1.00
Includes BIOS interim investigation reports 568, 536, 659, 660, 558, 253/2, 251/2, 564, 796-798, and 417/1.

PB L 27722. BRITISH INTELLIGENCE OBJECTIVES SUB-COMMITTEE. Preliminary reports list no. 214. Jan-Feb 1946. 10 p. Price: Microfilm-$1.00 - Photostat-$1.00
Includes BIOS interim investigation reports no. E 53 C, E 65 H, 808, 445/1, P 38 C, 427, Q 2 C, P 80 A, E 149 B, and F 149 A.

PB L 27723. BRITISH INTELLIGENCE OBJECTIVES SUB-COMMITTEE. Preliminary reports list no. 215. Nov 1945 - Feb 1946. 11 p. Price: Microfilm-$1.00 - Photostat-$1.00
Includes BIOS interim investigation reports no. F 67 E, Q 56 B, 434, 404, 428, 432, 435, 457, 459, and 574.

PB L 27724. BRITISH INTELLIGENCE OBJECTIVES SUB-COMMITTEE. Preliminary reports list no. 217. Jan-Feb 1946. 12 p. Price: Microfilm-$1.00 - Photostat-$1.00 (Limited supply mimeo 50¢)
Includes BIOS interim investigation reports no. 734, 982, 889A, 890, 891, 980, 981, 12AG - A 42/5, 638 593, 629/1, and 841-843.

PB L 27725. BRITISH INTELLIGENCE OBJECTIVES SUB-COMMITTEE. Preliminary reports list no. 262. Mar 1946. 10 p. Price: Microfilm-$1.00 - Photostat-$1.00 (Limited Supply mimeo 25¢)
Includes BIOS interim investigation reports no. 22 K-10/2, 30 C-2/5, 30 A-14/4, 30 B-3/14, 30 B-3/15, 22 K-15/3, 22 B-3/14, 22 B-3/15, 22 B-5/4, 22 B-3/16, 22 B-3/18, and 22 K-21/12.

PB L 80479. U. S. NATIONAL INVENTORS COUNCIL. Administrative history of the National Inventors Council. n. d. 20 p. Price: Mimeo: 25¢
The National Inventors Council was created in August 1940 by its Secretary of Commerce with the concurrence of the President of the United States. It was established to provide a connecting link between the inventive public and the armed forces. This history explains how the Council was organized, how it functioned and what it accomplished. In the final chapter its strengths and weaknesses are assessed, in order to point out how its operations might have been made more useful.

PATENTS

ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES

PB L 70085. REICHSPATENTAMT, BERLIN. German patent applications class 21: Electrical engineering. (FIAT Microfilm Reel D 61, Frames 1902-2044). 1936-1945. 9ll f. Price: Microfilm-$6.00 - Enlargement print-$94.50
This FIAT microfilm consists of 134 German patent applications in the high and ultrahigh-frequency, a field of electronics covering radio, X-ray and cathode-ray tubes, circuits and circuit elements, television and radar devices and allied items as listed below. Individual items will be available as enlargement prints only; the entire reel may be purchased for $6.00. Please include PB and frame numbers when ordering individual items from this microfilm. In German.

Frames	Title	Price
1902-1903	GÖPFERT, WALTER (Inventor). Ausnutzung von ultrakurzwellenempfängern zur peilung der zündfunken von flugzeugen zum zwecke der steuerung von flackgeschützen und scheinwerfer der wehrmacht (Utilization of ultra-short wave receivers for locating ignition sparks of airplanes for the purpose of controlling antiaircraft guns and searchlights of the armed forces). Ger. patent application G 104 430 VIIIa/21a, dated Nov 24, 1941.	$1.50
1904-1915	GESELLSCHAFT FÜR ELEKTROAKUSTISCHE UND MECHANISCHE APPARATE M.B.H., BERLIN. Verfahren zur modulation von sendern (Method of modulation of transmitters). Ger. patent application G 108 123 VIII a/21a, dated Sept 4, 1943.	1.50
1916-1925	BLAUPUNKT-WERKE G.M.B.H., BERLIN-WILMERSDORF. Anordnung zur erzeugung von ultrakurzwellenschwingungen (Arrangement for the production of ultra-short wave oscillations). Ger. patent application B 199 930 VIII a/21a, dated Oct 15, 1942.	1.50
1926-1930	BORCHERT, MAX (Inventor). Ankopplung von antennen-kombinationen (Coupling of antenna arrays).	1.50
1931-1936	BURGER, PETER (Inventor). Gehäusewandung (Case walling (Receiver walls carrying antenna wires on the inside)). Ger. patent application B 194 841 VIII a/21a, dated Jul 9, 1941.	1.50
1936a-1943	BLAUPUNKT-WERKE G.M.B.H., BERLIN-WILMERSDORF. Zeigerantrieb bei skaleneinrichtungen an rundfunkempfangegeräten (Indicator needle drive for dialing arrangements in radio receivers). Ger. patent application B 194 854 VIII a/21a, dated Jul 12, 1941.	1.50
1944-1959	BLAUPUNKT-WERKE G.M.B.H., BERLIN-WILMERSDORF. Drahtloses elektrisches nachrichtengerät (Radio communication device. Fuse for protection against over voltages). Ger. patent application B 139 274 VIII a/21a, dated Feb 10, 1941.	2.00
1960-1964	BLAUPUNKT-WERKE G.M.B.H., BERLIN-WILMERSDORF. Richtantenne für ultrakurzwellen mit parallel arbeitenden hornstrahlern (Directional antenna for ultrashort waves with parallel working fish-bone type radiators). Ger. patent application B 191 143, dated Jul 9, 1940.	1.50
1965-1969	BLAUPUNKT-WERKE, BERLIN-WILMERSDORF. Verfahren zur modulation von ultrakurzwellensendern (Method of modulation of ultrashort wave transmitters). Ger. patent application B 191 144 VIIIa, dated July 9, 1940.	1.50
1970-1975	ROBERT BOSCH G.M.B.H., STUTTGART. Hochfrequenzspule mit verschiebbarem eisenkern (High-frequency coil with movable iron core). Ger. patent application B 191 184 VIII a/21a, dated Jul 12, 1940.	1.50

1976-1980 Mess-sender für äusserst kurze wellen (Test oscillator for very short waves). Additional Ger. patent application B 191 543 to the Ger. patent application B 191 011, dated Aug 21, 1940. 1.50

1981-1984 BLAUPUNKT-WERKE G.M.B.H., BERLIN-WILMERSDORF. Hohlleiteranordnung für sehr kurze elektromagnetische wellen (Wave guide arrangement for very short electromagnetic waves). Ger. patent application B 191 544 VIIIa, dated Aug 21, 1940. 1.50

1985-1988 BLAUPUNKT-WERKE, BERLIN-WILMERSDORF. Einrichtung zur einstellung der phasenlage einer elektromagnetischen schwingung in einem hohlleiter (Arrangement for the adjustment of the phase angle of an electromagnetic oscillation in a wave guide). Ger. patent application B 191 545 VIIIa, dated Aug 21, 1940. 1.50

1989-1994 BLAUPUNKT-WERKE G.M.B.H., BERLIN-WILMERSDORF. Einrichtung zur schwingungsanregung bei sehr kurzen wellen (Arrangement for the excitation of very short-wave oscillations). Ger. patent application B 191 817, dated Sep 18, 1940. 1.50

1995-1999 BLAUPUNKT-WERKE G.M.B.H., BERLIN-WILMERSDORF. Feldstärkemessgerät für sehr kurze wellen (Field intensity measuring device for very short waves). Ger. patent application B 191 872 VIIIa, dated Sep 24, 1940 1.50

2000-2004 BLAUPUNKT-WERKE G.M.B.H., BERLIN-WILMERSDORF. Einrichtung zur modulation von sehr kurzen wellen (Arrangement for the modulation of very short waves). Ger. patent application B 192 514 VIIIa, dated Nov 23, 1940. 1.50

2005-2007 Ruf-, alarm- oder melde-einrichtung an radioapparaten (Calling, alarm or signalling arrangement on radio sets). Ger. Patent application B 190 929 VIII a/21a4, dated Jun 14, 1940. 1.50

2008-2012 BLAUPUNKT-WERKE G.M.B.H., BERLIN-WILMERSDORF. Linse zur bündelung elektromagnetischer wellen (Lens for bundling electromagnetic waves). Ger. patent application B 190 783, dated May 28, 1940. 1.50

2013-2016 BLAUPUNKT-WERKE, BERLIN-WILMERSDORF. Drahtloses empfangsgerät mit regelbarer induktivität (Radio receiving set with adjustable inductance). Ger. patent B 190-878, dated Jun 6, 1940. 1.50

2017-2020 BOUKE, HEINZ (Inventor). Anordnung zur dynamikregelung in der reflexstufe von rundfunkempfängern (Arrangement for dynamics regulation in the reflex stage of radio receivers). Ger. Patent Office File no. 45973. 1.50

2021-2024 BAUER, WILHELM (Inventor). Verbesserung von klanggüte, trennschärfe und empfindlichkeit beim rundfunkempfang (Improvement of sound quality, selectivity and sensitivity in radio reception). Ger. patent application B 184 928 VIII a/21a 4, dated Oct 17, 1938. 1.50

2025-2027 BLAUPUNKT-WERKE G.M.B.H., BERLIN-WILMERSDORF. Transformationsglied zum übergang von elektrisch-symmetrischen zu elektrisch unsymmetrischen schaltelementen (Transformation device for a connecting electrically balanced with electrically unbalanced circuit elements). Ger. patent application B 205 434 VIII a/21a 4, dated Feb 23, 1944. 1.50

2028-2031 BLAUPUNKT-WERKE G.M.B.H., BERLIN-WILMERSDORF. Anordnung zur aufnahme bzw. anzeige von hochfrequenzsendern (Arrangement for the detection, resp. indication of high-frequency transmitters). Ger. patent application B 205 435 VIII a/21a4, dated Feb 26, 1944. 1.50

2032-2036 BLAUPUNKT-WERKE G.M.B.H., BERLIN-WILMERSDORF. Anzeigesystem für hochfrequenzempfangsanordnungen mit einer drehbaren antenne mit richtcharakteristik (Indication system for high-frequency receiving sets with a rotating antenna of directional characteristics). Ger. patent application B 205 436 VIII a/21 a 4, dated Feb 26, 1944. 1.50

2037-2039 BLAUPUNKT-WERKE G.M.B.H., BERLIN-WILMERSDORF. Richtantenne aus dielektrischen stielstrahlern (Directional antenna made of dielectric bar-type radiators). Ger. patent application B 205 437 VIIIa/21a4 dated Feb 26, 1944. 1.50

2040-2041 Abstimmvereinfachung an rundfunkgeräten (Simplified method of tuning radio devices). Ger. patent application B 199 241 VIII a/21 a 4, dated Aug 16, 1942. 1.50

2042-2045 RADIO BERNSTEIN, BERLIN. Empfänger mit braunscher röhre zur sichtbarmachung der wellen-bänder (Receiver with cathode-ray tube giving visibility to wave bands). Ger. patent application B 198781, dated Jul 6, 1942. 1.50

2046-2049 BLAUPUNKT-WERKE G.M.B.H., BERLIN-WILMERSDORF. Hohlrohrstrahler für ultrakurzwellen (Tubular cavity radiator for ultrashort waves). Ger. patent application B 193 411, dated Feb 24, 1941. 1.50

2050-2052 BOSCH, ROBERT, G.M.B.H., STUTTGART. Entstördrosselspule (Anti-interference choke coil). Ger. patent application B 197 061, dated Feb 7, 1942. 1.50

2053-2057 BLAUPUNKT-WERKE G.M.B.H., BERLIN-WILMERSDORF. Richtstrahlersystem (Directional antenna array). Ger. Patent application B 196 053, dated Nov 7, 1941. 1.50

2058-2060 Frequenzmodulations-verfahren und einrichtung hoher linearität durch permeabilitätsänderung (Frequency modulation method and arrangement of high linearity using variation of permeability). Ger. patent application F 95 393 VIII a/21 a 4, dated Jun 26, 1944. 1.50

2061-2067 HENZ, F. (Inventor). Modulationseinrichtung (Modulation arrangement). Ger. patent application B 198 246 VIII a, dated May 14, 1942. 1.50

2068-2072 BOUCKE, HEINZ (Inventor). Generator mit grossem frequenzbereich (Generator with a large frequency range). Ger. patent application B 202 965 VIII a, dated Jun 15, 1943. 1.50

2073-2076 BLAUPUNKT-WERKE G.M.B.H., BERLIN-WILMERSDORF. Befestigung von magnetisierbaren kernen (Fixation of magnetizable cores). Ger. patent application B 206 068 VIII a/21 a 4, dated May 3, 1944. 1.50

2077-2081 BLAUPUNKT-WERKE G.M.B.H., BERLIN-WILMERSDORF. Hochfrequenzinduktionsspule mit koppelkondensator (High-frequency inductance coil with a coupling capacitor). Ger. patent application B 206 069 VIII a/21 a 4, dated May 3, 1944. 1.50

2082-2084 BLAUPUNKT-WERKE G.M.B.H., BERLIN-WILMERSDORF. Abstimmbarer hohlraumresonator für sehr hohe frequenzen (Tunable cavity resonator for very high frequencies). Ger. patent application B 206 070 VIII a/21 a 4, dated May 4, 1944. 1.50

2085-2088 BLAUPUNKT-WERKE G.M.B.H., BERLIN-WILMERSDORF. Kristalldetektor-anordnung (Crystal detector arrnagement). Ger. patent application B206 071 VIII a/21 a 4, dated May 3, 1944. 1.50

2089-2092 BLAUPUNKT-WERKE G.M.B.H., BERLIN-WILMERSDORF. Kristalldetektor-anordnung (Crystal detector arrangement). Ger. patent application B 206 072 VIII a/21 a 4, dated May 3, 1944. 1.50

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2264-2269 Schaltung zur phasendrehung einer elektrischen wechselspannung (Circuit for changing the phase angle of an a-c voltage). Ger. patent application R 106 270 VIII a, dated Oct 20, 1939. 1.50

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MACHINERY (EXCEPT ELECTRICAL)

PB L 73563. DECKEL, FRIEDRICH, MÜNCHEN. Applications for patents and registered designs of fuel pumps. (FIAT Microfilm Reel G-130, Frames 2209-2658A). 1934-1946. 450 f. Price: Microfilm-$5.25 - Enlargement print-$45.00 This reel was prepared by FIAT investigators in Germany. Individual items are listed below and will be available as enlargement prints. Please include PB and frame numbers when ordering individual items. In German.

Frames	Title	Price
2209-2212	Einspritzpumpe für brennkraftmaschinen wobei der kolbenstössel gegen verdrehung gesichert ist (Injection pump for internal combustion engines with the plunger secured against turning). Application for Registered design D.R.G.M. 1 386 503, Jul 9, 1935.	$1.50
2213-2217	Pumpe für einspritzbrennkraftmaschinen bei der der leckkraftstoff durch eine leitung zum tieferliegenden raum oder durch unterdruck beseitigt wird (Injection pump for diesel engines on which leaking fuel is removed by means of a pipe-line to a lower situated space or by means of a vacuum). Application for Registered design, Aug 10, 1934.	1.50
2218-2223	Anordnung von einspritzpump- und zündverteiler bei verbrennungskraftmaschinen unter verbindung der pumpen- und zündverteiler-gehäuse (Arrangement of injection pump and ignition distributor of internal combustion engines with combined pump- and ignition distributor body). Application for Registered design, Nov 2, 1934.	1.50
2224-2229	Offene einspritzdüse für verbrennungskraftmaschinen bei der ein gutes zerstäuben durch füllkörper mit schraubenförmigen nuten erreicht wird (Open injection nozzle for internal combustion engines with which a good spray is attained by means of an inserted part with spiral grooves). Application for Registered design D.R.G.M. 1 386 499, May 21, 1935.	1.50
2230-2235	Einspritzpumpe für brennkraftmaschinen mit schrägen steuerkanten verschiedener steigung (Injection pump for internal combustion engines with beveled control edges of different angles). Application for Registered design, Aug 5, 1935.	1.50
2236-2242	Mehrzylindrige brennstoffeinspritzpumpe mit mehrteiligem verstellorgan zur verdrehung der kolben oder zylinder (Multi-cylinder fuel injection pump with control device consisting of several parts for rotating plungers or cylinder). Application for Registered design D.R.G.M. 1 359 087, Oct 12, 1934.	1.50
2243-2248	Einspritzdüse für brennkraftmaschinen, ausbildung der offenen düse nach DRGM 1 386 999 als geschlossene düse (Injection nozzle for internal combusting engines. Design of the open nozzle according to D.R.G.M. 1 386 999 as	

closed nozzle). Application for Registered design, Aug 8, 1935. 1.50

2249-2253 Brennstoffdüse für einspritzbrennkraftmaschinen, wobei die sitzfläche für die düsennadel in düsenplättchen gleich oder kleiner als die endfläche der nadel ist (Fuel nozzle for injection type internal combustion engines where the area of the needle seat of the jet is equal to or smaller than the area of the needle). Application for Registered design, Nov 20, 1934. 1.50

2254-2258 Einspritzdüse für brennkraftmaschinen, bei der die überwurfmutter mit mehr gewindegängen am düsenhalter als dieser am zylinderkopf befestigt wird (Injection nozzle for internal combustion engines on which the union nut is fastened to the nozzle holder with a greater length of thread than to the cylinder head). Application for Registered design, Nov 26, 1934. 1.50

2259-2262 Offene einspritzdüse für verbrennungskraftmaschinen zur einspritzung in das ansaugrohr des motors mit ringförmigem anschluss der zuleitung (Open injection nozzle for internal combustion engines for injection in the intake manifold of the engine with the feed line attached by an annular fitting). Application for Registered design D.R.G.M. 1 375 682, Apr 12, 1935. 1.50

2263-2266 Einspritzpumpe für brennkraftmaschinen wobei der federsteller gegen verdrehen gesichert ist (Injection pump for internal combustion engines having a spring adjustment secured against turning). Application for Registered design, Jul 9, 1935. 1.50

2267-2273 Pilzförmiges saugventil für brennstoffeinspritzpumpen, dessen feder in einer bohrung des schaftes liegt (Mushroom shaped suction valve for fuel injection pumps having a spring situated in a bore in the stem). Application for Registered design, Apr 17, 1935. 1.50

2274-2278 Treibstoffpumpe mit mehreren, gleichachsig im kreise angeordneten einzelpumpen wobei die nockenscheibe in 2 wälzlagern gelagert ist (Fuel pump with several individual pumps arranged coaxially in a circle and with the cam disc placed in two roller bearings). Application for Registered design D 20 123 Gm 46 c, Jun 15, 1939. 1.50

2279-2282 Treibstoffeinspritzpumpe mit mehreren, gleichachsig im kreise angeordneten einzelpumpen wobei die nockenscheibe in 1 wälzlager gelagert ist (Fuel injection pump with several individual pumps arranged coaxially in a circle and with the cam disc placed in one roller bearing). Application for Registered design D 22 229 Gm 46 c, Jul 7, 1939. 1.50

2283-2287 Prüfvorrichtung für treibstoffeinspritzpumpen, bestehend aus durchsichtigen messzylinder, die auf dem druckkanal aufgesetzt werden (Testing device for fuel injection pumps consisting of a transparent measuring cylinder attached to the pressure line). Application for Registered design D 21 202 Gm 46 C, Dec 3, 1940. 1.50

2288-2294 Vorrichtung zum schleifen des konkaven teiles von nockenwellen mit einer schleifscheibe deren achse senkrecht zur achse der nockenwelle steht (Device for grinding the concave part of cam shafts with a grinding wheel, the axis of which is perpendicular to the axis of the cam shaft). Application for Registered design, Oct 27, 1936. 1.50

2295-2302 Ein annähernd in der mittelebene der pumpe angeordneter pneumatischer regler für einspritzpumpen an brennkraftmaschinen (Pneumatic regulator for injection pumps of internal combustion engines arranged approximately in the center plane of the pump). Application for Registered design D 15 142 Gm 46 c, Feb 10, 1938. 1.50

2303-2307 Einspritzbrennkraftmaschine mit unterdruckregler, bei der die verbindungsleitung durch einen zwischenflansch mit venturidüse am saugrohr angeschlossen ist (Diesel engine with vacuum regulator, connecting pipe of which is fastened to the intake pipe by means of an intermediate flange with a venturi jet). Application for Registered design D 15 158 Gm 46 b, Sept 28, 1939. 1.50

2308-2312 Treibstoffeinspritzpumpe mit mehreren im kreis um eine mittelachse angeordneten einzelpumpen bei geteilter ausführung der nockenscheibe (Fuel injection pump with several individual pumps arranged circularly about a central axis with a cam disc consisting of several parts). Application for Registered design D 21 163, Sept 28, 1938. 1.50

2313-2320 Vorrichtung zum verstellen des spritzbeginns der einspritzpumpe bei brennkraftmaschinen durch eine winkelverstellbare kupplung im antrieb der pumpe (Device for adjusting the timing of the injection of internal combustion engines by means of a coupling in the drive of the injection pump which is adjustable through an angle). Application for Registered design, Dec 4, 1939. 1.50

2321-2330 Innenmessvorrichtung mit auswechselbaren, den prüfling entsprechenden aufnahmedorn (Inside measuring device with an arbor which can be exchanged to suit the dimension of the test specimen). Application for Registered design D.R.G.M. 1 537 455 (cl. 42 b), Nov 8, 1940. 1.50

2331-2337 Treibstoffeinspritzpume für brennkraftmaschine bei der zum ausgleich der verschiedenen wärmeausdehnung von leichtmetallgehäuse und stahlzylinderbuchse radial federnde ringe angeordnet sind (Fuel injection pump for internal combustion engines in which radial spring rings are arranged for compensation of the different thermal expansion of the light metal casing and the steel cylinder bushing). Ger. patent application D 86 367 1a/46 c, Nov. 17, 1941. 1.50

2338-2347 Fliehkraftregler für einspritzpumpen von einspritzbrennkraftmaschinen mit ungleichmässiger bemessung oder anordnung der federn in den fliehgewichten (Centrifugal governor for injection pumps of

injection type internal combustion engines with disproportionate size or arrangement of the springs in the centrifugal weights). Ger. patent application, n. d. 1.50

2348-2352 Schmierung einer brennstoffpumpe mit mehreren, um eine mittelachse angeordneten einzelpumpen in einem oder mehreren kreisläufen (Lubrication of a fuel pump with several individual pumps arranged about a middle axis in one or several cycles). Ger. patent application, n. d. 1.50

2353-2358 Kraftstoffeinspritzpumpe für brennkraftmaschinen bei der die verbindung von kolben und querglied durch plastische verformung des quergliedes erfolgt (Fuel injection pump for internal combustion engines in which the connection of plunger and cross member is made by means of plastic deformation of the cross member). Ger. patent application, n. d. 1.50

2359-2362 Kraftstoffeinspritzpumpe für brennkraftmaschinen wobei die eingestellten zylinderbüchse gegen verdrehen beim anziehen der druckschraube gesichert ist (Fuel injection pump for internal combustion engines with the adjusted cylinder bushing secured against turning when tightening the pressure screw). Application for Registered design, n. d. 1.50

2363-2367 Verbindung von kolben und querglied einer kraftstoffeinspritzpumpe für brennkraftmaschinen durch zurückfedern des quergliedes nach elastischer verformung (Connection of plunger and cross member of a fuel injection pump for internal combustion engines by means of back springing the cross member after elastic deformation). Ger. patent application, n. d. 1.50

2368-2372 Kraftstoffeinspritzpumpe für brennkraftmaschinen bei der die zu durchlüftenden innenräume durch ein feinmaschiges sieb gegen verunreinigung geschützt werden (Fuel injection pump for internal combustion engines in which the interior spaces to be ventilated are protected against impurities by means of a fine-meshed strainer). Ger. patent application, n. d. 1.50

2373-2378 Saugventil einer treibstoffeinspritzpumpe für brennkraftmaschinen, das als plattenventil mit ringförmigen ebenen oder wulstartigen sitz ausgebildet ist (Suction valve of a fuel injection pump for internal combustion engines designed as a flat valve with an annular level or raised seat). Ger. patent application, n. d. 1.50

2379-2384 Sicherung mehrerer teile eines fliehkraftreglers gegen lösen durch entsprechend geformte blechteile mit umgebogenen ansätzen (Securing several parts of a centrifugal governor against loosening by means of suitably formed sheet-metal parts with bent-over protrusions). Ger. patent application, n. d. 1.50

2385-2404 Selbsttätige änderung des einspritzzeitpunktes bei treibstoffpumpen durch einen servomotor in abhängigkeit vom druck der kühlflüssigkeit oder kühlluft (Automatic variation of the injection time of fuel pumps by means of a servo-motor depending on the pressure of the cooling liquid or cooling air). Ger. patent application, n. d. 1.50

2405-2417 Verfahren zur einstellung von aus scheibe und gehäuse bestehenden steuereinrichtungen (Method for adjusting control devices, consisting of a slide valve and casing). Ger. patent application, n. d. 1.50

2418-2424 Einrichtung zur selbsttätigen spritzbeginnverstellung bei einspritzbrennkraftmaschinen bei änderung der einspritzmenge (Automatic timing device for the injection of fuel into injection type combustion engines with variation of the injected quantity. Ger. patent application, n. d. 1.50

2425-2430 Verfahren zur verbesserung der werkstoffeigenschaften von gegenständen aus mindestens teilweise plastischen stoffen durch örtlich begrenzte druckbelastung (Method for improving the material properties of parts made at least partially of plastic substances by means of locally applied pressure). Ger. patent application, n. d. 1.50

2431-2435 Selbsttätige regelung des spritzbeginns bei einspritzbrennkraftmaschinen, durch den anker einer solenoidspule, der von einem mit der maschine gekuppelten stromerzeuger gespeist wird (Automatic timing of the fuel injection of injection type combustion engines by means of the magnet of a solenoid which is supplied by a generator coupled to the engine). Ger. patent application, n. d. 1.50

2436-2447 Selbsttätige verstellung des spritzbeginns bei einspritzbrennkraftmaschinen durch druck oder unterdruck der leitungen für kühlflüssigkeit, kühlluft oder druckschmierung sowie der bremsluftsaugleitung (Automatic adjustment of the fuel injection timing of injection type combustion engines by means of pressure or vacuum of the pipes for coolant liquid, cooling air or forced lubrication as well as the air brake suction line). Ger. patent application, n. d. 1.50

2448-2452 Sicherung der pumpenstössel einer treibstoffeinspritzpumpe mit mehreren einzelpumpen gegen verdrehung durch ein gemeinsames sicherungsglied für alle stössel (Securing the plungers of a fuel injection pump with several individual pumps against turning by means of a common securing member for all plungers). Ger. patent application, n. d. 1.50

2453-2458 Vorrichtung zum trennen von flüssigkeiten und gasen, insbesondere zum entlüften des brennstoffes von einspritzbrennkraftmaschinen (Device for separating liquids and gases especially deaerating fuel of injection type internal combustion engines). Ger. patent application D 78 281 I/46 c, Mar 21, 1939. 1.50

2459-2469 Selbsttätige spritzbeginnverstellung bei einspritzbrennkraftmaschinen durch den druck des überschüssigen treibstoffs (Automatic timing of the full injection of injection type combustion engine by means of excess fuel pressure). Ger. patent application D 79 893, Jan 30, 1939. 1.50

2470-2475 Entlastung des kolbens einer kraftstoffeinspritzpumpe für brennkraftmaschinen von einseitigen drücken durch eine entlastungsöffnung in zylinder gegenüber den saugöffnungen (Relieving the plunger of a fuel injection pump for internal combustion engines from one-sided pressures by means of another opening in the cylinder opposite to the suction openings). Ger. patent application D 83 471, n. d. 1.50

2476-2483 Verfahren zur selbsttätigen spritzbeginnverstellung bei einspritzbrennkraftmaschinen (Method for automatic injection timing of injection type combustion engines). Supplement to patent application D 81 922, n. d. to patent application D 79 893 1/46 b. 1.50

2484-2489 Beseitigung des leckkraftstoffs einer einspritzdüse für brennkraftmaschinen durch verdampfung und ableitung ins freie (Removal of the leaking fuel of an injection nozzle for internal combustion engines by means of evaporation and release into the open air). Ger. patent application D 84 385 Ia 46 c, n. d. 1.50

2490-2497 Verhinderung des unrundwerdens der kolben einer kraftstoffeinspritzpumpe für brennkraftmaschinen durch zweckmässige gestaltung der aussparungen (Preventing fuel injection pump plungers of internal combustion engines from getting out of round by appropriate shaping of the recesses). Ger. patent application, n. d. 1.50

2498 Universalfräsmaschine FP_1 (FP_1 Universal milling machine). Spare part scheme, Oct 26, 1938. 1.50

2499-2506 Pantograph und konsol mit arbeitstisch der graviermaschine GK 2 (Pantograph and console with work table of the GK 2 engraving machine). Group assembly drawings, 1936, 1945. 1.50

2507-2592 Verschiedene betriebsmittel zur fertigung von kameraverschlüssen (Several special tools for manufacturing camera shutters). Parts lists, assembly- and detail drawings 1945, 1946. 8.50

2593-2594 Federwaage (betriebsmittel für kameraverschluss) (Spring balance (used for manufacturing camera shutters)). Detail drawings, 1932. 1.50

2595-2605 Messuhrständer (Dial indicator holder). Parts list, detail- and assembly drawings, 1939, 1941. 1.50

2606 See frame No. 2593-2594. 1.50

2607-2658A Einheitsprojektionsgerät (Standard projecting apparatus). Parts list and detail drawings, 1939, 1940. 1.50

TRANSPORTATION EQUIPMENT

PB L 70097. REICHSPATENTAMT, BERLIN. German patent applications class 63: Railless vehicles. (FIAT Microfilm Reel I 127, frames 3580-4433) 1938-1943. 852 f.
Price: Microfilm-$6.00 - Enlargement print-$85.50
This microfilm reel was prepared by FIAT investigators in Germany. Individual items are listed below and will be available as enlargement prints. Please include PB and frame numbers when ordering individual items. In German.

Frames	Title	Price
3580-3584	LOEHE, THEODOR and LEY, WILHELM, (Inventors). Einklinkvorrichtung fuer lastseile, insbesondere schleppseile fuer fahrzeuge (Hooking-on device for ropes especially tow ropes for vehicles). Ger. patent application L 107 626 II/63c dated Apr 21, 1942.	$1.50
3585-3589	KUENZLER, GEORG (Inventor). Fahrbares maschinen-aggregat mit heb- und senkvorrichtung, insbesondere fuer kraftwagenanhaenger (Movable machine device with a raising and lowering mechanism, especially for trailers). Second addition to Ger. patent application K 161 594 VIIId/21 to Ger. Patent Office file No. P.A. 17417 dated Jan 11, 1943.	1.50
3590-3594	KUPFER-ASBEST CO., HEILBRONN A.N. Schmiervorrichtung fuer die fahrgestelle von kraftfahrzeugen (Lubricating device for the chassis of motor cars). Ger. patent application K 164 500 dated Apr 25, 1942.	1.50
3595	METZLER, FERDINAND (Inventor). Stromlinienaehnliche ausbohrung des hinteren teiles eines kraftfahrzeuges (Design of the rear part of a motor car similar to a stream-lined shape). Ger. Patent Office file No. P.A. 192 864 dated Mar 13, 1942.	1.50
3596-3603	MAYBACH-MOTORENBAU G.M.B.H., FRIEDRICHSHAFEN A.B. Anordnung eines mit kuehlraeumen versehenen turbowandlers in verbindung mit einem wechselgetriebe fuer eine kraftuebertragung, insbesondere bei kraftfahrzeugen (Arrangement of a water-cooled hydraulic drive in connection with a change speed gear for power transmission, especially for motor cars). Ger. patent application M 154 150 II/63c8 dated May 7, 1942.	1.50
3604-3608	MAYBACH-MOTORENBAU G.M.B.H., FRIEDRICHSHAFEN A.B. Wechselgetriebe mit durch druckmittel betaetigten schaltvorrichtungen, insbesondere fuer kraftfahrzeuge (Change speed gear with hyuraulic shifting mechanism, especially for motor cars). Ger. patent application M 154 151 II/63c8 dated May 7, 1942.	1.50
3609-3611	MUEHLENBAU INDUSTRIE A.G. Kraftfahrzeug, vereinfachung im aufbau und zusammenbau (Motor car, simplified in design and assembly). Ger. patent application M 152 941 dated Jan 12, 1942.	1.50
3612-3614	MUEHLENBAU INDUSTRIE A.G. Gleisketten-fahrwerk, dessen kette ueber vordere und hintere treib- bezw. leitrollen und dazwischen liegenden trag- oder stuetzrollen gefuehrt ist (Caterpillar track-drive assembly, the track of which is guided over the front- and rear drive, and idler wheels and the intermediate bogie wheels). Ger. Patent Office file No. P.A. 464134 dated Jun 30, 1942.	$1.50

3625-3626 MONTROSE, LOUIS-EUGÈNE-WIDOLT (Inventor). Bein- bezw. kniebetaetigter gashebel fuer kraftfahrzeuge (Leg or knee operated accelerator pedal for motor cars). Ger. patent application M 152 117 dated Oct 14, 1941. 1.50

3627-3653 HALTER, WILHELM (Inventor). Einrichtung zur fahrtrichtungsanzeige, insbesondere fuer kraftraeder (Direction indicators, especially for motor cycles). Ger. patent application H 163 092 dated Sep 4, 1940. 3.00

3654-3659 GRAU, AUGUST, HEIDELBERG. Steuerventil fuer druckluft-gesteuerte lastwagenanhaenger (Control valve for trailers controlled by compressed air). Ger. patent application G 106 895 dated Jan 27, 1943. 1.50

3660-3669 There are no documents for these numbers; wrong numbers.

3670-3675 GOTHAER WAGGONFABRIK A.G., GOTHA. Strassenfahrzeug, insbesondere gelaendegaengiger lastenanhaenger (Vehicle, especially truck trailer for cross-country operation). Ger. patent application G 103 193 dated Mar 15, 1941. 1.50

3676-3682 GRAU, AUGUST, HEIDELBERG. Hydrauliche fahrzeugbremse (Hydraulic vehicle brake). Ger. patent application G 103 505 II/63c dated May 14, 1941. 1.50

3683-3688 GESELLSCHAFT ZUR KONSTRUKTION UND VERWERTUNG AUTOMATISCH-MECHANISCHER GETRIEBE M.B.H., BERLIN. Fliehkupplung, insbesondere lamellenkupplung mit beeinflussbarer einschaltzeit fuer kraftfahrzeuge (Clutch, especially multiple disk clutch operated by centrifugal force for motor cars the engaging time of which can be controlled). Ger. patent application G 102 281 dated Sep 18, 1940. 1.50

3689-3701 GASCH, KARL (Inventor). Heizung fuer kraftfahrzeuge (Heating device for motor cars). Ger. patent application of addition G 102 277 II/63c to patent application G 102 386 dated Oct 12, 1940. 1.50

3702-3707 GESELLSCHAFT FUER TECHNISCHEN FORTSCHRITT M.B.H., BERLIN. Kraftfahrzeug mit unterteilung der karosserie (Motor car with a body composed of separate units). Ger. patent application G 94 922 dated Feb 27, 1937. $1.50

3708-3712 GOETZEWERK A.G., BURSCHEID. Kupplung, vorzugsweise fuer kraftfahrzeuge (Clutch, especially for motor cars). Ger. patent application G 98 714 dated Sep 28, 1938. 1.50

3713-3723 GAUBSCHAT FAHRZEUGWERKE G.M.B.H., BERLIN-NEUKOELLN. Einrichtung zur lenkeinschlagbegrenzung bei strassenzuegen (Device for limiting the turning radius of road trains). Ger. patent application G 98 666 II/63c47 dated May 6, 1939. 1.50

3724-3729 EHRENREICH, A. & CO., DUESSELDORF and FAUDI, F., FALKENSTEIN I.TS. Elastisches gelenk zur aufnahme von schub-, stoss- und drehbeanspruchungen (Elastic joint for absorbing push-, shock- and torsion stresses). Ger. patent application of addition 622 244 to patent application H 149 461 XII/47b dated Mar 9, 1938. 1.50

3730-3732 BOSCH, ROBERT G.M.B.H., STUTTGART. Kolben, insbesondere fuer druckmittelbremszylinder in kraftfahrzeugen (Piston, especially for hydraulic brake cylinders of motor cars). Ger. patent application B 203 002 dated Jun 21, 1943. 1.50

3733-3747 MENCK & HAMBROCK G.M.B.H., HAMBURG-ALTONA. Vorrichtung zum verladen von gleiskettenfahrzeugen (Device for the shipping of track vehicles). Ger. patent application M 152 057 dated Oct 6, 1941. 1.50

3748-3749 MUELLER, MAX (Inventor). Sperrausgleichsgetriebe fuer kraftfahrzeuge (Self-locking differential for motor cars). Ger. Patent Office file No. P.A. 392290 dated May 28, 1941. 1.50

3750-3754 DROESCHER, ALBERT (Inventor). Schwungradkupplung fuer kraftfahrzeuge (Fly wheel clutch for motor cars). Ger. patent application D 89 213 II/63c15 dated Nov 13, 1942. 1.50

3755-3757 Getriebe fuer gleiskettenfahrzeuge (Transmission for track vehicles). Ger. Patent Office file No. P.A. 488848 dated Jul 27, 1940. 1.50

3758-3762 BORGWARD, CARL (Inventor). Lenkeinrichtung fuer gleiskettenfahrzeuge (Steering gear for track vehicles). Ger. patent application B 189 206 II/63c dated Apr 21, 1941. 1.50

3763-3772 GESELLSCHAFT FUER TECHNISCHEN FORTSCHRITT M.B.H., BERLIN. Fahrzeug, insbesondere federnde lagerung von kraftfahrzeugen (Vehicle, especially motor cars with elastic suspension). Ger. patent application G 91 998 dated Jan 21, 1936. $1.50

3773-3777 Kabrioletverdeck (Top for convertible automobiles). Ger. patent application G 86 921 II/63c45 dated Apr 23, 1935. 1.50

3778-3784 FRANZ, KASPAR (Inventor). Durch druckmittel steuerbare schaltvorrichtung fuer zahnradwechselgetriebe, insbesondere von kraftfahrzeugen (Hydraulic shifting mechanism for change speed gears, especially for motor cars). Ger. patent application of additions 641 942 and 693 968 to patent application F 95 167 II/63c20/30 dated Apr 26, 1944. 1.50

3785-3790 FRANZ, KASPAR (Inventor). Ventile fuer eine durch druckmittel steuerbare schaltvorrichtung fuer zahnraederwechselgetriebe, insbesondere von kraftfahrzeugen (Valves for hydraulic shifting mechanism for change speed gear, especially of motor cars). 1.50

Ger. patent application of additions 641 942 and 693 968 to patent application F 95 166 dated Apr 26, 1944.

3791-3794 FRISCHE, KURT (Inventor). Anhaenger fuer lastwagen (Trailer for trucks). Ger. patent application F 94 847 dated Feb 1, 1944. 1.50

3795-3806 FICHTEL & SACHS A.G., SCHWEINFURT. Reibungskupplung mit nicht umlaufendem druckerzeuger, insbesondere fuer kraftfahrzeuge (Friction clutch with nonrotating pressure plate, especially for motor cars). Ger. patent application F 92 181 dated Jul 24, 1942. 1.50

3807-3809 FRUHSTORFER, KARL (Inventor). Gleitschutzvorrichtung fuer fahrzeugraeder (Protective device against skidding for vehicle wheels). Ger. patent application of addition F 36 174 to patent application F 92 174 dated Aug 2, 1943. 1.50

3810-3813 Anhaengevorrichtung fuer motorfahrzeuge (Trailer mechanism for motor cars). Ger. patent application G 100 026 dated May 9, 1939. 1.50

3814-3824 GRAU, AUGUST, HEIDELBERG. Hydrauliche auflaufbremse fuer kraftfahrzeuganhaenger (Hydraulic overrun brake for trailers). Ger. patent application G 102 861 dated Jan 17, 1941. 1.50

3825-3829 DOERFEL, RICHARD, G.M.B.H., and PFEIFFER, WILHELM, KIRCHBERG/SA. Heizung, insbesondere fuer kraftfahrzeuge (Heating device, especially for motor cars). Ger. patent application D 89 716 II/63c dated Jan 14, 1943. $1.50

3830-3837 GERMAN RED CROSS, PRAESIDIUM POTSDAM. Kraftfahrzeug mit einem ausstellbaren arbeitsraum, insbesondere zur verwendung als sanitaetsfahrzeug (Motor truck with a demountable work room, especially for use as an ambulance). Ger. patent application D 89 742 dated Jan 18, 1943. 1.50

3838-3840 DAIMLER-BENZ A.G., STUTTGART. Rahmenloses kraftfahrzeug mit selbsttragender, unterteilter karosserie (Frameless motor car with a self-carrying, subdivided body). Ger. patent application D 90 156 II/63c 43/10 dated Mar 26, 1945. 1.50

3841-3844 DRAEGER, KARL (Inventor). Exzenterlenkung fuer kraftfahrzeuge (Eccentric steering gear for motor cars). Ger. patent application D 90 197 dated Mar 6, 1943. 1.50

3845-3849 FIAT SOCIETÀ ANONIMA, TURIN-ITALIEN. Scharnier fuer die hintertuer von kraftfahrzeugen mit selbsttaetig ausloesbarer sperrung in der oeffnungsstellung (Hinge for the rear door of motor cars which automatically releases the locking device when the door is opened). Ger. patent application F 93 861 dated May 25, 1943. 1.50

3850-3854 FIAT SOCIETÀ ANONIMA, TURIN-ITALIEN. Vorrichtung zum betaetigen der verdeckschliesseinrichtung bei kraftfahrzeugen (Device for operating the closing mechanism of automobile tops). Ger. patent application F 93 863 dated May 25, 1943. 1.50

3855-3863 FAUDI, F., FALKENSTEIN I.TS. Atemluftfilter, insbesondere fuer hydrauliche bremsanlagen fuer kraftfahrzeuge (Ventilating air filter, especially for hydraulic brakes of motor cars). Ger. patent application F 93 836 dated May 18, 1943. 1.50

3864-3871 FROSS, A. - BUESSING K.G., VIENNA. Schaltbrett fuer kraftfahrzeuge (Instrument panel for motor cars). Ger. patent application F 93 924 dated Jun 7, 1943. 1.50

3872-3875 FAUNER, FRITZSCHE (Inventor). Lastfahrzeug, bestehend aus einer beliebigen anzahl angetriebener fahrzeuge (Truck train consisting of any number of driven vehicles). Ger. patent application F 93 916 II/63c dated Jun 7, 1943. 1.50

3876-3887 FIAT SOCIETÀ ANONIMA, TURIN-ITALIEN. Hauptzylinder fuer fluessigkeitsbremsen von kraftfahrzeugen mit gegenlaeufigen, auf getrennte fluessigkeitskreislaeufe fuer die vorderrad- und hinterradbremsen einwirkenden kolben (Master cylinder for hydraulic brakes of motor cars with counter-acting pistons, acting on separate hydraulic circuits for the front and rear wheel brakes). Ger. patent application F 94 350 dated Sep 3, 1943. $1.50

3888-3894 FISCHER, ALEXANDER (Inventor). Hebe-, dreh- und fahrbuehne, insbesondere fuer lastkraftfahrzeuge (Raising-, turning- and travelling platform, especially for motor trucks). Ger. patent application of addition F 90 785 /63c85 to patent application F 92 759 dated Nov 3, 1942. 1.50

3895-3903 FAHRZEUG UND GERAETEBAU G.M.B.H., BERLIN-HERMSDORF. Raupe, vorzugsweise ansteckraupe fuer fahrzeuge (Caterpillar track, especially attachable auxiliary caterpillar tracks for vehicles). Ger. Patent Office file No. F.A. 793730 dated Nov 19, 1942. 1.50

3904-3909 FUCHS, EUGEN (Inventor). Die verwendung von kunstpresstoffen fuer die herstellung von autositzen (Molded plastics used for the production of automobile seats). Ger. patent application F 92 817 dated Nov 10, 1942. 1.50

3910-3913 FICHTEL & SACHS A.G., SCHWEINFURT. Bremsflaechen fuer fahrzeugbremsen, insbesondere fuer freilaufbremsnaben, aus sintereisen (Brake lining for vehicle brakes, especially for free wheel brake hubs of sinter iron). Ger. patent application F 92 586 dated Oct 5, 1942. 1.50

3914-3916 FAUDI, F., FALKENSTEIN I.TAUNUS. Verfahren zur abstimmung von umlaufenden wellen auf bestimmte schwingungsbereiche bezw. zur

freihaltung von solchen (Method for turning rotating shafts to certain ranges of vibrations, with a view to avoid these ranges). Ger. patent application of addition F 86 657 II/63c18 to patent application F 92 501 dated Sep 22, 1942. 1.50

3917-3918 KOCH, FRIEDRICH (Inventor). Automatischer bremslichtschalter, insbesondere fuer alle schnellen fahrzeuge (Automatic stop light switch, especially for high speed vehicles). Ger. patent application K 164 679 dated May 12, 1942. 1.50

3919-3928 KLOECKNER-HUMBOLDT-DEUTZ A.G., KOELN. Kraftfahrzeug, insbesondere omnibus mit selbsttragendem aufbau (Motor vehicle, especially bus with a self-carrying body). Ger. patent application K 164 658 dated May 11, 1942. $1.50

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3943-3955 TENNER, ARMIN, BERLIN and BALLERT, OTTO, BERLIN-RUMMELSBURG (Inventors). Zusaetzlicher, pneumatischer kraftantrieb fuer handhydrauliche kippvorrichtungen auf lastkraftwagen, lastkraftwagenanhaengern und eisenbahnwagen (Additional, pneumatic power drive for hand operated hydraulic tipping devices of trucks, trailers and railway cars). Ger. patent application T 55 826 Jun 27, 1941. 1.50

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3966-3975 DAIMLER-BENZ A.-G., STUTTGART-UNTERTUERCKHEIM. Nachgiebige verbindung einer radaufhaengung oder eines achsaggregates mit dem rahmen oder fahrzeugoberbau (Elastic connection of a wheel suspension or of an axle assembly with the frame or vehicle body). Ger. patent application of addition D 81 944 II/63c to patent application D 82 550 dated Apr 26, 1940. 1.50

3976-3978 DAIMLER-BENZ A.G., STUTTGART-UNTERTUERCKHEIM. Verbindung eines achsaggregates mit dem rahmen oder fahrzeugoberbau, insbesondere fuer kraftfahrzeuge (Connection of an axle assembly with the frame or vehicle body, especially for motor cars). Ger. patent application D 82 542 II/63c dated May 14, 1942. 1.50

3979-3983 CREMER, PAUL (Inventor). Pneumatische bedienanlage fuer kraftfahrzeuge (Pneumatic device for operating motor cars). Ger. patent application C 57 257 dated Apr 15, 1942. 1.50

3984-3991 DAIMLER-BENZ A.G., STUTTGART-UNTERTUERCKHEIM. Nachgiebig am rahmen aufgehaengtes achsaggregat, insbesondere fuer kraftfahrzeuge (Axle assembly elastically attached to the frame, especially for motor cars). Ger. patent application D 81 647 dated Dec 6, 1939. 1.50

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3996-3999 WEIHS, H.K. (Inventor). Invalidenfahrzeug (Vehicle for disabled persons). Ger. patent application W 113 267 dated May 24, 1943. 1.50

4000-4001 WINTER, E.F. (Inventor). Vorrichtung am kraftwagen zum raschen motorenaustausch (Mechanism on motor cars to facilitate a quick exchange of the engine). Ger. patent application W 113 264 dated May 22, 1943. 1.50

4002-4003 Kugelige kraftgasbehaelter, insbesondere zum einbau in personenkraftwagen mit oder ohne einrichtung zur reserveradbefestigung (Globular fuelgas tank, especially for passenger cars with or without support for the spare wheel). Ger. patent application W 113 226 dated May 17, 1943. 1.50

4004-4010 SELLIN, JOHANNES (Inventor). Raupenbandantrieb fuer auf dem wasser und lande verwendbare kraftwagen (Caterpillar track drive for motor cars running on water and land). Ger. Patent Office file No. P.A. 400592 dated Aug 2, 1942. 1.50

4011-4014 Vorrichtung zur schaffung eines ueberdruckes in den hauptzylindern von hydraulichen bremsvorrichtungen, insbesondere fuer kraftfahrzeuge (Device for getting an excess pressure in the master cylinder of hydraulic brakes, especially for motor cars). Ger. patent application T 57 888 dated Aug 28, 1942. 1.50

4015-4019 HEINZ, PAUL (Inventor). Richtungsanzeiger fuer fahrraeder und motorraeder (Direction indicator for bicycles and motor cycles). Ger. patent application of addition H 155 480 II/63c to patent application H 158 938 dated Mar 10, 1939. 1.50

4020-4024 GAUBSCHAT FAHRZEUGWERKE G.M.B.H., BERLIN-NEUKOELLN. Kraftfahrzeuganhaenger mit zwei lenkbaren drehgestellen (Trailer with two steerable pivoted bogies). Ger. patent application G 109 410 dated May 31, 1944. 1.50

4025-4031 KAHL, HANS (Inventor). Waermeaustauscher zum bau von lufterhitzern etc. und verfahren zu seiner herstellung (Heat exchanger for air heaters etc. and process of manufacture). Ger. patent application K 157 262 dated Apr 8, 1940. 1.50

4032-4036 KLOECKNER-HUMBOLDT-DEUTZ A.G., KOELN. Blattfederpacket, insbesondere fuer kraftfahr-

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4037-4057 JANESCH, RAIMUND (Inventor). "Auto-graphicon" zur weitgehendsten vereinfachung der bedienung von kraftfahrzeugen ("Auto-graphicon" device for a most extensive simplification of the operation of motor cars). Ger. patent application J 66 783 dated Apr 1, 1940. 2.50

4058-4061 JAHNS, MAX (Inventor). Fahrzeuge mit besserer fortbewegungsmoeglichkeit auf schlechtem gelaende (Vehicles particularly adapted to driving on rough terrain). Ger. patent application J 72 211 II/63c dated May 11, 1942. 1.50

4062-4068 DAIMLER-BENZ A.G., STUTTGART. Steuervorrichtung zur entnahme von druckluft aus dem arbeitscylinder einer brennkraftmaschine mit unterteilter druckkammer (Controlling device for removing compressed air from the working cylinder of internal combustion engines with subdivided compression chambers). Ger. patent application D 83 675 dated Oct 31, 1940. 1.50

4069-4076 TEVES, ALFRED, K.G. Hydrauliche lenkung fuer kettenfahrzeuge (Hydraulic steering gear for track vehicles). Ger. patent application T 59 407 II/63c dated Jul 24, 1943. 1.50

4077-4081 THOMSEN & CO. G.M.B.H., BOIZENBURG/ELBE. Gelaendegaengiges fahrzeug (Vehicle for cross-country travel). Ger. patent application T 58 539 dated Jan 9, 1943. 1.50

4082-4100 TWZER, KARL (Inventor). Der stufenlose getriebe-automat mit leerlauf, freilauf und hohem wirkungsgrad, insbesondere fuer kraftfahrzeuge (An infinitely variable automatic change speed gear with neutral position, freewheeling and high efficiency, especially for motor cars). Ger. patent application T 58 523 dated Jan 6, 1943. 2.00

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4135-4140 Lenkung fuer raupenfahrzeuge (Steering device for track vehicles). Ger. Patent Office file No. P.A. 212329 dated Mar 27, 1943. 1.50

4141-4145 Hydraulische bremsvorrichtung, insbesondere fuer bremsen an fahrzeugen (Hydraulic brake mechanism, especially for vehicles). Ger. patent application T 58 791 dated Mar 3, 1943. 1.50

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